2023-2024

COLLEGE CATALOG

RockValleyCollege.edu

Welcome

Welcome to the ... Golden Eagles Family!

You will often hear me say “we are RVC Strong because our community is strong.” RVC Strong means a lot of different things, but what does it mean to you as a student? It means you are a part of something bigger than yourself. It means you have a community of faculty, staff, administrators, and fellow students who are here to support you to make sure your time at RVC is not only a success, but an experience you will look back on years from now and remember as life-changing.

We are a student-focused institution. That means everyone who works here, in everything we do, should be focused on making RVC a better place for you to learn, grow, and thrive.

We do that through faculty engagement with students. We do it by providing you with valuable resources, including peer tutoring, academic advising, personal counseling, and online learning support. We do it by providing opportunities to immerse yourself in the RVC culture through community engagement, student organizations, campus events, athletics, intramurals, and the arts.

At Rock Valley College, we are dedicated to providing you access to exceptional education and training opportunities integrated with Diversity, Equity, and Inclusion. This is a place where everyone should feel a sense of belonging. Together, we are the Golden Eagles family.

Stay RVC Strong.

Howard J. Spearman, Ph.D.
President and Chief Executive Officer (CEO)

Phone Directory

Key for the acronyms of the buildings where the departments are located RVC Main Campus:

Classroom Building II (CLII)
Educational Resource Center (ERC)
Jacobs Center for Science & Math (JCSM)
Physical Education Center (PEC)
Spring Brook House (SBHS)
Student Center (SC)

RVC Main Phone Number: (815) 921-4000

STUDENT SERVICES

Academic, Career, & Transfer Advising
SC, 2nd Floor, (815) 921-4100

Academic, Career, & Transfer Advising
Academic Goal Planning

Admissions & Welcome (Information) Center
SC, 1st Floor, (815) 921-4000

- Campus Tours
- Enrollment
- Password Resets
- Recruitment
- Student I.D.

Adult & Developmental Education
JCSM, 1st Floor, (815) 921-2010

Athletics
PEC, (815) 921-3801

Bookstore
SC, Ground Floor, (815) 921-1680

Career Services, Advising & Placement
SC, 2nd Floor, (815) 921-4100

Cooperative Agreements, (815) 921-4250

Dean of Students Office
SC, 2nd Floor, (815) 921-4101

Prevention Education
Student Complaints
Student Code/Handbook
Title IX
Behavioral Intervention Team - B.I.T., (815) 921-4270

Disability Support Services (DSS) (Section 504 Coordinator)
SC, Ground Floor, (815) 921-2371

Sign Language Interpreters
RAISE Program

Distance Learning
ERC, 2nd Floor

EAGLE Support Center (815) 921-4646

EagleSupport@RockValleyCollege.edu

Early College
CL II, 1st Floor, (815) 921-4080

Dual Credit
Dual Enrollment
Running Start

Financial Aid & Scholarships
SC, 2nd Floor, (815) 921-4150

First Year Experience (FYE)
SC, 1st Floor, (815) 921-4094

New Student Welcome Events
STU 100 – Planning for Success
Peer Mentors
Tech Connect Sessions & Student Success Workshops

Foundation Office
Spring Brook House, (815) 921-4500

Housing Liaison
SC, 2nd Floor, (815) 921-4109

Intercultural Student Services
SC, 2nd Floor, (815) 921-4116

DACA/International Student Admissions

Library
ERC, 1st & 2nd Floors, (815) 921-4600

Circulation Service, (815) 921-4615
Interlibrary Loan, (815) 921-4607
Library Support, (815) 921-4044
Reference Desk, (815) 921-4619

Personal & Success Counseling
SC, 2nd Floor, (815) 921-4100/4101

Records & Registration Office
SC, 2nd Floor, (815) 921-4250

RVC Police Department – Emergency, 9-1-1

Non-Emergency, (815) 966-2900
RVCPD Administrative Line, (815) 921-4357

Starlight Theatre – Box Office, (815) 921-2160

Student Life
SC, 1st Floor, (815) 921-4184

Student Government Association (SGA)
Campus Activities Board (CAB)

Testing Center
SC, Ground Floor, (815) 921-2380

Placement Testing
Exam Proctoring
Certification Exams

Title IX Coordinator
SC, 2nd Floor, Private Line (815) 921-1500

TRIO

Achieve Scholars
SC, 2nd Floor, (815) 921-4280

Complete
SC, 2nd Floor, (815) 921-4114

Upward Bound
SC, 2nd Floor, (815) 921-4127

Tuition Payments
SC, 2nd Floor, (815) 921-4414

Tutoring & Writing Center
SC, Ground Floor, (815) 921-2370

The Valley Forge Student News Source
ERC, Ground Floor, (815) 921-3331

Veterans Services
SC, 2nd Floor, (815) 921-4163

OTHER CONTACTS

Adult Education Office, ESL, GED
RVC Downtown, (815) 921-2000

Center for Learning in Retirement (CLR)
Bell School Road Center, (815) 921-3931

Community & Continuing Education (CCE)
CLII, 1st Floor, (815) 921-3900

Rock Valley College Downtown (RVCD), (815) 921-4290

Traffic Safety Program
CL II, Ground Floor, (815) 921-3940

WIOA/Employment Grants
N. Main Street, (815) 921-2200

Citizenship
DACA
Dislocated Workers Program (DWP)
Illinois Immigrant Welcoming Center
Refugee & Immigrant Services

Academic Calendar 2023-2024

2023 SUMMER SESSION

EIGHT-WEEK SESSION (28 days plus 2 final exam days)
FOUR-WEEK SESSION (14 days plus 1 final exam day)
SECOND FOUR-WEEK SESSION (14 days plus 2 final exam days)

June 20 (Tuesday) ..... Classes Begin for First 4-week and 8-week Sessions of Summer Session
July 4 (Tuesday) ..... No Classes/College Closed
July 13 (Thursday) ..... Final Exam Day for First 4-week classes of Summer Session
July 17 (Monday) ..... Classes Begin for Second 4-week Session of Summer Session
August 8 (Tuesday) ..... End of Classes
August 9 & 10 (Wednesday, Thursday) ..... Final Exams for Summer Session
August 13 (Sunday) ..... Grades Due By 11:59pm Sunday Night

2023 FALL SEMESTER – Traditional start

August 19 (Saturday) ..... Weekend Classes Begin
August 21 (Monday) ..... Weekday Classes Begin
September 2, 3, 4 (Saturday, Sunday, Monday) ..... No Weekend Classes/College Closed
September 5 (Tuesday) ..... Faculty & Staff Development Day/No Classes/Offices Closed
November 22 (Wednesday) ..... Fall Recess/No Classes/College Open
November 23, 24, 25, 26 (Thursday, Friday, Saturday, Sunday) ..... No Classes/College Closed
December 8 (Friday) ..... End of Weekday Classes
December 9 (Saturday) ..... End of Weekend Classes
December 11 – 16 (Monday–Saturday) ..... Final Exams for Weekday & Weekend Classes
December 17 (Sunday) ..... Grades Due by 11:59pm Sunday Night
December 22, 23, 24, 25 (Friday, Saturday, Sunday, Monday) ..... No Classes/College Closed
December 26, 27, 28 (Tuesday, Wednesday, Thursday) ..... No Classes/College Offices Open
December 29 – January 1 (Friday, Saturday, Sunday, Monday) ..... No Classes /College Closed

2024 SPRING SEMESTER

January 2 (Tuesday) ..... Offices Open
January 12 (Friday) ..... Faculty Development Day/College Open
January 13 (Saturday) ..... Weekend Classes Begin
January 15 (Monday) ..... No Classes/College Closed
January 16 (Tuesday) ..... Weekday Classes Begin
March 10-17 (Sunday–Sunday) ..... Spring Recess - No Weekday or Weekend Classes
March 18 (Monday) ..... Classes Resume
March 28 (Thursday) ..... Faculty & Staff Development Day/No Classes/Offices Open
March 29, 30, 31 (Friday, Saturday, Sunday) ..... No Classes/College Closed
May 4 (Saturday) ..... End of Weekend Classes
May 10 (Friday) ..... End of Weekday Classes
May 11 (Saturday) ..... Final Exams for Weekend Classes
May 13-17 (Monday–Friday) ..... Final Exams for Weekday Classes
May 17 (Friday) at 6pm ..... Commencement Exercises
May 19 (Sunday) ..... Grades Due By 11:59pm Sunday Night

2024 SUMMER INTERIM

FOUR-WEEK SESSION (14 days plus 1 final day)

May 20 (Monday) ..... Classes Begin
May 27 (Monday) ..... College Closed
June 13 (Thursday) ..... Final Exams
June 16 (Sunday) ..... Grades Due By 11:59pm Sunday Night

**Most classes (16-week) begin this week. Check class schedule for specific dates.*
Deadlines vary for courses less than 16-weeks in length. Contact Records and Registration for specific dates.

About the College

For over 50 years, Rock Valley College (RVC) has offered comprehensive educational opportunities in a broad range of subjects to tens of thousands of residents of its service district.

Since opening for classes, RVC has grown from a small community college with 35 faculty members and 1,100 students to an institution of approximately 116 full-time faculty members, 214 part-time adjunct faculty (teaching credit classes) and over 10,000 students.

The Main Campus of the college is located on a 217-acre tract of land, at the northeast corner of Mulford and Spring Brook Roads in northeast Rockford. Click here for "RVC Building Locations" and "Main Campus" maps.

RVC's Main Campus is known for being one of the most beautiful in the state. Connecting the two sides of the Main Campus, the scenic bridge spans the Spring Creek. It houses the college's most recognized landmark – the classic Alumni Clock.

In addition to the Main Campus, the college offers degrees and related programs at facilities in District #511 in Northern Illinois:

Advanced Technology Center (ATC),1400 Big Thunder Blvd., Belvidere, IL 61008, the programs at this location include: CNC Machining, Fork Lift Training, Mechatronics, Welding, and Custom Training (for more information go to: RockValleyCollege.edu/ATC).

Aviation Career Education Center (ACEC),6045 Cessna Drive (61109) at the Chicago-Rockford International Airport, home of the Aviation Maintenance Technology Program (Click here for more information (p. 92) or go to: RockValleyCollege.edu/Aviation).

Bell School Road Center (BELL),3350 N. Bell School Road (61114), home of the college's Center for Learning in Retirement Program.(Click here for more information (p. 57) or go to: RockValleyCollege.edu/CLR.)

Downtown (RVCD),99 E. State Street (61104) [second floor, Rockford Register Star building] home to college-level various credit classes, Adult Education Office, ESL and GED classes.

North Main Street Center (NMST),303 N. Main Street (61101) [in the Supply Core Building, on the NE corner of N. Main Street and Jefferson Street], houses Workforce Development: Citizenship, DACA, Dislocated Workers Program (DWP), Illinois Immigrant Welcoming Center, plus Refugee and Immigrant Services.

Stenstrom Center for Career Education (SCCE),4151 Samuelson Road (61109), home to Automotive and Truck Driver Training Programs [just east of Rockford Jefferson High School].

Community and Whiz Kids classes are held in community sites throughout the district. (Click here for more information (p. 57) or go to: RockValleyCollege.edu/CCE.)

Continuing Education classes are held in the ATC, CLII, and SCCE.

RVC's District #511 (see map below) is comprised of Winnebago and Boone counties, and parts of Stephenson, Ogle, McHenry, and DeKalb counties.

High Schools within College District No. 511

Public high schools in the service area:

- Rockford Auburn
- Rockford East
- Rockford Guilford
- Rockford Jefferson
- Roosevelt Community Education Center
- Belvidere
- Belvidere North
- Byron
- Durand
- Everest
- Machesney Park Harlem
- Rockton Hononegah
- Oregon
- Pecatonica
- North Boone
- South Beloit
- Stillman Valley
- Winnebago

Private high schools* in the service area:

- Boylan Catholic
- Christian Life Schools
- Firstborn Christian Academy
- Keith Country Day
- Rockford Lutheran
- Lydia Urban Academy-Rockford

• North Love Christian
• Our Lady Sacred Heart Academy
• Regents Christian Academy
• Rock River Academy
• Rockford Christian Schools
• Rockford Iqra' School

* List of schools provided by the National Center for Education.
This list may not reflect all private high schools in the RVC district.

Rock Valley College continues to grow and strengthen lifelong learning opportunities and to develop innovative partnerships that offer social, economic, and cultural enrichment to the community.

College Mission, Vision, & Core Values

Mission Statement

Rock Valley College empowers students and community through lifelong learning.

Vision Statement

Rock Valley College empowers the community to grow as a society of learners through well-designed educational pathways, leading to further education, rewarding careers, cultural enrichment, and economic-technological development.

Core Values

Learner-Centered Community
Rock Valley College is dedicated to providing affordable lifelong learning opportunities that foster student success.

Mutual Respect
At all times, Rock Valley College upholds the dignity of each individual by being ethical, respectful, fair, and courteous in communications and actions.

Excellence
Rock Valley College maintains high expectations for teaching and learning and holds itself accountable for promoting continuous improvement.

Diversity
Rock Valley College promotes, celebrates, and embraces differences, including cultural and ethnic diversity and diversity of thought.

Collaboration
Rock Valley College fosters innovative, enriching partnerships within the college community and among others that serve the region.

Innovation
Rock Valley College is a forward thinking institution that explores creative approaches for the future.

Public Trust
Rock Valley College honors and upholds its commitment to the community through integrity of actions and efficient use of resources.

Mission & Vision Statements and Core Values
Board Report #7228
Revised/Updated July 28, 2015

General Education Statement of Philosophy

The General Education Program at Rock Valley College is designed to develop the knowledge, skills, and habits reflected in the lives of educated persons and basic to all professions so that RVC students are capable of leading rewarding and responsible lives as productive, global citizens. The General Education Program offers varied opportunities for students "to develop the breadth of knowledge and the expressive skills essential to more complex and in-depth learning throughout life" (adapted from the Illinois Articulation Initiative, 2000). With this philosophy as our focus, our general education courses are designed to help students achieve the following learning outcomes.

Institutional Student Learning Outcomes

Rock Valley College students will demonstrate the following skills and characteristics:

Analytic Reasoning: Students will form logical inferences, judgments, or conclusions from facts or premises related to topics encountered in the classroom, workplace, and daily life.

Communication: Students will exchange ideas effectively in a variety of settings.

Global Awareness and Responsibility: Students will develop the knowledge and skills required to responsibly interact with social and natural communities, both locally and globally.

Personal Responsibility: Students will accept responsibility for their personal and professional wellness and development, positioning themselves for life-long learning.

Details about how students demonstrate these learning outcomes can be found at: RockValleyCollege.edu/StudentLearningOutcomes.

Rock Valley College Board of Trustees*

• Gloria Cardenas Cudia, Board Chair
• Paul Gorski, Vice Chair
• Robert Trojan, Secretary
• Kristen Simpson
• Richard Kennedy
• John M. Nelson
• Crystal Soltow
• Ryan Russell, Student Trustee

* Board as of April 26, 2023

**Juan Nogueda will be sworn in as new student trustee on May 23, 2023

Rock Valley College Foundation

Established in 1979, the Rock Valley College Foundation, a 501(c) (3), was founded to help remove the financial barriers facing our students, provide additional funding to enhance the educational experience and offer donors an opportunity to impact our classrooms, students and future workforce. Thanks to the generosity and support of our loyal alumni, community donors, and local business partners, the RVC Foundation is able to:

- Award RVC Foundation scholarships to over 275 deserving students each year;
- Advance our academic and technical programs so they remain high-quality and competitive to retain our region's bright and promising minds;
- Assist our students facing financial crisis in their greatest time of need through emergency relief;
- Advance our College's mission in its pursuit to empower students and community through lifelong learning.

To learn more about student scholarships through the RVC Foundation, visit: RockValleyCollege.edu/Scholarships.

To learn more about the RVC Foundation and how you can get involved or support our mission, please visit: RockValleyCollege.edu/Foundation or call (815) 921-4500.

Catalog Disclaimer

The information in this catalog is accurate as of May 1, 2023 and is subject to change without prior notice or obligation. It is the students' responsibility to be aware of the information in this catalog and to keep informed as additions and corrections are announced.

Please check online for latest updates: RockValleyCollege.edu/Catalog.

Nondiscrimination Clause

It is the policy of Rock Valley College to provide equal opportunity in its admissions, employment and educational programs and activities consistent with federal and state law. Discrimination is prohibited on the basis of race, color, religion, national origin, ancestry, citizenship status, sex, age, physical or mental disability, marital status, order of protection status, sexual orientation, gender identity (including gender expression and gender questioning), veteran status, or unfavorable military discharge, use of lawful products while not at work, genetic information, or other legally protected categories.

Title IV Consumer Information
Stacey Kolder, Director, Financial Aid
(815) 921-4158 | S.Kolder@RockValleyCollege.edu

Title IX & Sectino 504 / ADA Compliance Officer – Employees
Joe Simpson, PHR, SHRM-CP, Executive Director of Human Resources
(815) 921-4752 | J.Simpson@RockValleyCollege.edu

Title IX Deputy Coordinator – Employees
Jim Handley, Vice President of Human Resources & CHRO
(815) 921-4754 | J.Handley@RockValleyCollege.edu

Title IX Coordinator/ADA Compliance Officer – Students
Terrica Huntley, Dean of Students
(815) 921-4187 | T.Huntley@RockValleyCollege.edu – or – RVC-DeanOfStudents@RockValleyCollege.edu

Title IX Deputy Coordinator – Students
Luevinus Muhammad, Manager of Student Life
(815) 921-4183 | L.Muhammad@RockValleyCollege.edu

Section 504 Coordinator – Students
Lynn Shattuck, Director of Disability Services
(815) 921-2356 | L.Shattuck@RockValleyCollege.edu

Athletics
Darin Monroe, Athletic Director
(815) 921-3822 | D.Monroe@RockValleyCollege.edu

This notice is available from Rock Valley College in additional alternative formats upon request.

Accreditation & Recognition

Rock Valley College is recognized by many national, regional, and state agencies. The college is accredited by The Higher Learning Commission (HLC) and is a member of the North Central Association of Colleges and Schools. Rock Valley College is recognized by the Illinois Board of Higher Education and by the Illinois Community College Board (ICCB).

RVC Accreditation Agencies

- The Higher Learning Commission (HLC)
  230 South LaSalle Street, Suite 7-500, Chicago, IL 60604
  (800) 621-7440 | Website: ncahlc.org

- Accreditation Commission for Education in Nursing (ACEN)
  3343 Peachtree Road, NE Suite 850, Atlanta, GA 30326
  (404) 975-5000 | Fax: (404) 975-5020 | Website: acenursing.org

- American Dental Association Commission on Dental Accreditation (ADA CODA)
  Dental Hygiene Program
  211 East Chicago Avenue, Chicago, Illinois 60611
  (312) 440-4653
  Website: ADA.org/en/coda

- American Society for Clinical Pathology (ASCP)
  Phlebotomy Technician Program
  33 West Monroe Street, Suite 1600, Chicago, IL 60603
  (312) 541-4999 | Fax: (312) 541-4998
  Website: ASCP.org

- American Welding Society
  (Welding Technology Program)
  8669 NW 36 Street, #130, Miami, FL 33166-6672
  (800) 443-9353 or (305) 443-9353 | Website: aws.org

- Automotive Service Excellence (Automotive Service Technology Program) (Instructor's Certification Every Five Years)
  National Institute for Automotive Service Excellence
  101 Blue Seal Drive, S.E., Suite 101, Leesburg, VA 20175 (703) 669-6600

- Commission on Accreditation for Respiratory Care (CoARC)
  (Respiratory Care Program)
  1248 Harwood Road, Bedford, TX 76021-4244
  (817) 283-2835 | Website: coarc.com

- Federal Aviation Administration
  (Aviation Maintenance Technology Program) Des Plaines FSDO 2300 E. Devon Avenue, Suite 274, Des Plaines, IL 60018
  (630) 443-3126

- Illinois Bureau of Apprenticeship Training
  (Apprenticeship Programs) USDOL/ETA/OATELS-BAT
  230 S. Dearborn Street, Room 656, Chicago, IL 60604
  (312) 596-5508

- Illinois Department of Financial and Professional Regulation (IDFPR)
  (Nursing Programs)
  320 W. Washington Street, Springfield, IL 62786
  (217) 785-0800

- Illinois Department of Public Health (IDPH)
  (Certified Nursing Aide Program & Emergency Medical Technician) 535 W. Jefferson Street, Springfield, IL 62761
  (217) 785-5133

- National Automotive Technicians Education Foundation
  (Automotive Service Technology Program)
  101 Blue Seal Drive, S.E., Suite 101, Leesburg, VA 20175 (703) 669-6650

- National Strength and Conditioning Association (NSCA)
  Education Recognition Program (Personal Training Certficate Program)
  1885 Bob Johnson Drive, Colorado Springs, CO 80906 (719) 632-6722

- Office of the State Fire Marshall
  (Fire Science Program)
  1035 Stevenson Road, Springfield, IL 67203-4259
  (217) 782-4542

Memberships

- American Association of Community Colleges
  One Dupont Circle, NW, Suite 410 Washington, DC 20036
  (202) 728-0200

- American Council on Education One Dupont Circle, NW Washington, DC 20036
  (202) 939-9300

- American Dental Hygienists Association (ADHA)
  444 North Michigan Avenue, Suite 400, Chicago, IL 60611
  (312) 440-8900
  Website: ADHA.org

- Council for Advancement and Support of Education
  1307 New York Avenue, NW, Suite 1000
  Washington, DC 20005
  (202) 328-2273

- Council of North Central Two-Year Colleges
  200 South 14th Street Parsons, KS 67357
  (620) 820-1233
  Website: catyc.com

- OADN (Organization for Associate Degree Nursing)
  8650 Genesse Ave #214
  P.O. Box 928380
  San Diego, CA 92192-8380 (800) 809-6260

Academic Division Disciplines

Adult & Developmental Education
Developmental ENG
Developmental RDG
Developmental MTH

Arts & Social Sciences Division
Accounting – ATG
Anthropology – ANP
Art – ART
Business Administration – BUS
Criminal Justice – CRM
Early Childhood Education – ECE
Economics – ECO
Education – EDU
Graphic Arts Technology – GAT
History – HST
Management – MGT
Marketing – MKT
Music – MUS
Office Professional – PCI/OFF
Political Science – PSC
Psychology – PSY
Sociology – SOC
Supply Chain Management – SCM
Theatre – THE

Career Technical Education
Apprenticeships/Internships
Automotive Service Technology – ATM
Aviation Maintenance Technology – AVM
Computers & Information Systems – CIS
Cybersecurity Specialist – PCT
Electronic Engineering Technology – EET
Engineering – EGR
Manufacturing Engineering Technology – MET
Mechatronics – MEC
Network System Administration – PCT
Sustainable Energy Systems – EET
Web Programming & Design – WEB
Welding – WLD

Communication & Humanities Division
Composition & Literature – ENG/LIT
Humanities – HUM
Mass Communication – COM
Modern Languages – FRN, GRM, SPN
Philosophy – PHL
Speech – SPH

Mathematics & Sciences Division
Mathematics – MTH
Life Sciences
Biology – BIO
Physical Sciences
Atmospheric Science – ATS
Chemistry – CHM
Geology – GEL
Physical Geography – PGE
Physics – PHY

Nursing & Allied Health Division
Dental Hygiene – DNT
Fire Science – FRE
Fitness, Wellness, & Sport – FWS
Health (HLT 110)
Medical Assistant - MDA
Nursing – NRS
Nursing Aide – NAD
Phlebotomy Technician – PLB
Respiratory Care – RSP

Athletics

Department (815) 921-3801
Located: Physical Education Center (PEC) - first floor, Room 1024
Website: RVCSports.com

Nickname: Golden Eagles
Mascot: Arvee
Colors: Navy Blue & Gold
Conference: Region IV of the NJCAA

Rock Valley College is a member of the National Junior College Athletic Association (NJCAA) which governs eligibility and competition. Rock Valley College is NJCAA DII!

Freshman eligibility: Must be a high school graduate or equivalent; during semester of competition, must be enrolled for at least 12 semester hours of credit leading to a degree or certificate; at end of first full-time semester, must have passed at least 12 semester hours of credit with a 2.0 GPA or better.

To remain eligible for a second season: Must have passed 24 semester hours of credit with at least a 2.0 GPA; must not have completed two seasons of intercollegiate competition in any single sport.

Other circumstances: Transfer students, part-time students, and students with college credits, who have never participated in intercollegiate athletics, should fill out a questionnaire with the respective sport under the Recruiting tab at: RVCsports.com.

Physical exams and medical forms, are required each year, before competing on a sports team.

INTERCOLLEGIATE SPORTS

Ten teams of men's and women's intercollegiate sports are offered at RVC. The RVC Golden Eagles compete in Division II levels for:

- Men's and Women's Basketball
- Men's and Women's Soccer
- Men's Golf (Division III)
- Baseball
- Softball
- Volleyball

Men's Golf is currently a Division III program. Many of the teams have enjoyed national prominence in recent years. RVC's rich athletic history includes nearly 200 All-Americans and 27 National Championships.

(For more about RVC's Athletics go to: RVCSports.com.)

Getting Started

Getting Started Is Easy

Contact the RVC Welcome Center if you get stuck with any of the steps below at (815) 921-4000 or RVC-Admissions@RockValleyCollege.edu.

STEP 1: APPLY
Apply online at: RockValleyCollege.edu/Apply
Once your application is processed you will receive an e-mail to Activate your Online Account.

Still undecided? Come take a tour and meet with a New Student Enrollment Coordinator.

STEP 2: ACTIVATE YOUR ONLINE ACCOUNT
After your application is processed, set up a password to log into Self Service, Eagle and your RVC Email account (all college communications will be sent to this account moving forward).
The first time you log in you will need to set up Multi-Factor Authentication (MFA), which will allow you to log in from anywhere.

If you need help resetting your password, contact the Welcome Center at (815) 921-4000.

STEP 3: DETERMINE PLACEMENT
Submit the following to determine what courses you will start with at RVC:

High School Transcripts	ACT/SAT Scores
ACCUPLACER	GED Scores
Official College Transcripts	EdReady Scores
Aleks Scores	CASAS Scores

To set up an appointment with the Testing Center:
• (815) 921-2380
• RVC-Testing-Center@RockValleyCollege.edu
• RockValleyCollege.edu/PlacementTestRequirements

STEP 4: REGISTER AND PAY
Set up an appointment with an advisor to help you register for courses at:
RockValleyCollege.edu/StudentServices/Appointments

Need help paying for classes?
Financial Aid
-(815) 921-4150
-RVC-FIA@RockValleyCollege.edu

Payment Center
-(815) 921-4414
-RVC-AR@RockValleyCollege.edu

ADDITIONAL RESOURCES NOW THAT YOU ARE REGISTERED (including but not limited to):

First Year Experience
Attend a New Student Welcome event and look for upcoming Student Success workshops.

Disability Support Services
If you are a student with a disability, contact this department to discuss possible solutions.

TRIO
Are you a first generation, low income, or student with a disability? You could be eligible for one of our two federal programs.

Career Services
Get help finding a student worker position, writing resumes, and career workshops.

Student Life
Ger involved, join a club, and attend campus events.

Personal and Success Counseling
Get short-term confidential counseling and access community resources.

Admission

International Student Admission

Students who are in the United States (U.S.) on an F1 visa are considered international students. To enroll at the college, these students must:

1. Apply online at: RockValleyCollege.edu/Apply, or pick up a paper application at the Welcome Center on the first floor in the Student Center on the RVC Main Campus. Some programs have limited enrollment and require additional application steps such as Aviation Maintenance Technology, Nursing, Dental Hygiene, and Respiratory Care. Refer to the Career and Technical Education Programs section (Click Here (p. 87)) for specific program admission details.

2. Submit proof of English language competency.
   a. Minimum score of 71 internet-based, 213 computer-based, or 550 paper-based on the Test of English as a Foreign Language (TOEFL) or an overall band score of 6.0 on the International English Language Testing System (IELTS)
   b. A statement of completion of the 9th grade level at an ESL Language Center
   c. If you are here in the U.S. as a foreign student with an F-1 or J-1 visa attending a U.S. high school or college, you will need to supply the transcript from that institution

3. Complete the Statement of Financial Support or proof of "live-in- guest" status*. Either form must be notarized.

4. Submit original transcripts of all high school and university work.

5. Complete steps 4-6 of the New Student Admission section indicated to the left.

6. Complete steps 7-9 of the New Student Admission section by meeting directly with the International Student Services, Coordinator.

7. You are required to submit your High School Diploma to Educational Credential Evaluator (ECE) to have your transcript evaluated. This is required to be submitted with your application packet. Please visit the International Student Services Office or Records and Registration Department located on the second floor of the Student Center for more information.

* Students with "live in guest," approval are eligible for in-district tuition rates and are subject to a non-negotiable $500 International student fee assessed each term.

All documents must be submitted by the published deadlines to the Records and Registration Office. Please note: Financial Aid is not available to international students, and RVC does not provide on-campus housing. For questions about international student admission, contact (815) 921-4251. This school is authorized under federal law to enroll non-immigrant alien students.

Transferring Credit to RVC

Students at Rock Valley College who have credits from another college and plan to earn a degree/certificate at RVC should submit an official transcript (including any developmental courses taken which are used at Rock Valley College for placement) in a sealed envelope or electronically, directly from the issuing institution to the Records and Registration Office. A transcript evaluation request form must also be filled out and submitted to the Records and Registration Office. The transcript evaluation form is available in the Records and Registration Office, located on the second floor of the Student Center or at: RockValleyCollege.edu/RecordsForms. Evaluations may take four (4) to six (6) weeks after receipt of all materials.

Criteria for evaluation of transferable credits:

- Transfer credit must be earned at a regionally accredited institution.
- Whenever possible, RVC course equivalents for 100 and 200 level credits are awarded. If that is not possible, up to 21 credits of electives may be granted.
- 300 level/junior level credits will transfer on a course by course basis once equivalency is determined.
- 400 level credits require permission from the appropriate dean if a potential equivalency is determined.
- Students may be required to provide course descriptions/syllabi to complete the transfer credit process. Elective credit may be re-evaluated by submitting a syllabus to the Records and Registration Office.
- RVC accepts "D" grades only if the overall GPA is 2.0. (Refer to course descriptions at the back of this catalog for minimum course grade requirements; additional information is provided in the degree requirements for the Associate of Arts and Associate in Science (p. 74), and in the degree/certificate requirements in the Career and Technical Education Programs (p. 87))
- Transfer credit does not affect cumulative GPA at RVC.
- All new students intending to earn an Associate of Arts, Associate in Science, or Associate in Engineering Science, will be required to complete STU 100. It is recommended this requirement be completed during your first academic semester. Students intending to earn an Associate in Applied Science Degree or certificate are not required to complete STU 100, but are highly encouraged to do so.
- RVC does not honor substitutions and/or waivers

made at another institution, unless approved by the appropriate dean.

- Only degree/certificate required courses will be transferred in to a student's record. A maximum of 49 transfer credits will be applied. A minimum of 15 RVC credits are required to complete a RVC degree/ certificate.
- Foreign transfer credit must be evaluated by Education Credential Evaluators (ECE), please go to: ECE.org.
- Military transfer credit may be awarded upon evaluation of the Joint Services Transcript. The Joint Services Transcript (JST) can be ordered at no cost to the student by going to the website – https://jst.doded.mil (for Army, Navy, Marine, and Coast Guard). Air Force must request an unopened copy of their official transcripts from the Community College of the Air Force. In response to the new Credit for Military Experience ACT, (HB3701), the college will use ACE, American Council on Education, to conduct and facilitate academic reviews of military courses and occupations.
- Four (4) Fitness, Wellness, and Sport (FWS) credits will automatically be awarded to students who have completed basic training.

The evaluation of transfer credit may require course descriptions/ syllabi to complete the transfer credit process. Course content must be equal to a Rock Valley College course in order to transfer in equivalent credits. Vocational elective credit may be awarded if Rock Valley College does not offer an equivalent course.
[Note: Vocational elective credit cannot be used towards degree completion.]

Admission Requirements For Transfer Degree Programs

Students pursuing a transfer degree (Associate of Arts, Associate in Science, or Associate in Engineering Science), must successfully complete specific high school or college courses as outlined in the Illinois Public Act 86-0954 (see High School Requirements below).

A student who does not meet these requirements at the time of enrollment is provisionally admitted as a pre-baccalaureate transfer student. When course deficiencies have been completed, the student is reclassified as a baccalaureate transfer student.

High School Requirements

Subject	Years	Courses
English	4	Written and Oral Communication, Literature
Mathematics	3	Algebra I, Geometry, Algebra II, Trigonometry
Social Studies	3	History, Government
Science	3	Laboratory, Science
Electives	2	Foreign Language, Art, Music, or Vocational

Students with academic deficiencies are considered by RVC to have satisfied these deficiencies upon successful completion of 32 college level credits (courses numbered 100 or above with a minimum 2.0 GPA), which must include ENG 101, SPH 131, one Social Sciences course, one four-credit laboratory Science course, and one Mathematics course (MTH 115 or higher).

Non-Degree Seeking Students

There are two options that will enable you to register for classes more easily by deferring placement test requirements:

- **Visiting students** are students who normally attend another university but want to take classes during the summer or any other semester and then transfer them back to their home university.
- A **student-at-large** is someone who wants to take a few classes (up to 12 credits) to test out a program or the college.

Admission Policy

Rock Valley College (RVC) has an "open enrollment" admission policy and admits students who meet the following criteria:

1. High school graduates or General Education Development (GED) earners. However, if you have earned a foreign high school credential, you must submit your High School Diploma to Educational Credential Evaluator (ECE) for evaluation. Visit the Intercultural Student Services Office, located on the second floor of the Student Center, for more information..
2. Non-high school graduates age 18 years or older.
3. Transfer students from other colleges. Only credits earned from regionally accredited institutions will be accepted. No grade point average will be calculated on those credits accepted via transfer.
4. High school students age 16 or 17 who have written approval from the high school principal or counselor at the school where they have legal residence.
5. High school students under age 16 may be considered for enrollment in credit classes with the joint approval of the high school principal and RVC's Early College department. Students under 16 years old may enroll in non-credit classes; special permission is not required. For more information call (815) 921-4080.

Once admitted to the college, students may enroll in any course as long as individual course prerequisites, placement procedures, and/or developmental admission requirements are met and space for effective instruction is available.

New Student Checklist

1. Apply online at: RockValleyCollege.edu/Apply. Some programs have limited enrollment and require additional application steps such as Aviation Maintenance Technology, Dental Hygiene, Nursing, and Respiratory Care. Refer to the Career and Technical Education Programs section (Click Here (p. 87)) for specific program admission details.
2. Apply for Financial Aid..
3. Submit ACT/SAT Scores, official high school transcripts, and/or prior official college transcripts. GED graduates should submit original certificates from the Regional Education Office or CASAS. All documents should be submitted to Records and Registration.
4. Determine Placement. For more information, Click Here (p. 18) or visit: RockValleyCollege.edu/PlacementTestRequirements.
5. All students who intend to earn one of the following degrees are required to successfully complete STU 100 - Planning for Success: Associate of Arts (A.A.), Associate of Science (A.S.), and Associate in Engineering Science (A.E.S).
6. The New Student Welcome event is an opportunity for new students to meet, tour the campus, learn about campus resources and participate in activities. Online registration for the event: RockValleyCollege.edu/NewStudentWelcome.
7. To schedule an academic, career, or transfer advising appointment, or for assistance registering for classes, contact Academic, Career, and Transfer Advising at (815) 921-4100.
8. Payment in full is due in the Accounts Receivable office by the payment due date. Failure to make payment in full or sign up for the FACTS payment plan by the deadline will result in the cancellation of classes. Failure to receive a bill does NOT affect the payment due date. For more information call (815) 921-4414 for details or visit: RockValleyCollege.edu/Payment. Check for payment due dates at: RockValleyCollege.edu/ImportantDates.
9. Rent or purchase books for your classes from the RVC Bookstore on the ground floor of the Student Center (Click Here (p. 32) for more information or go to: RockValleyCollege.edu/Bookstore).

Early College: Dual Credit, Dual Enrollment, & Pathways

(815) 921-4080
Located: Classroom Building II - first floor
Website: RockValleyCollege.edu/EarlyCollege

Rock Valley College offers opportunities for high school students to earn college credit:

1. **Dual Credit**: Earn college and high school credit simultaneously; classes available at RVC and in participating high schools.
2. **Dual Enrollment**: Earn college credit only; classes

available at RVC.

3. **Bridge Programs**: Link high school to college career pathways; earn college credit at RVC.

4. **Early Admission**: Enrollment at RVC for students under age 16.

High School Partnership Programs: Programs for qualified high school students offered in partnership with area high schools.

- **Running Start (2-year Program)**: Attend RVC full-time during junior and senior year to earn dual credit toward completing a High School Diploma while earning an Associate Degree simultaneously.
- **Running Start (1-year Program)**: Attend RVC full-time during senior year to earn dual credit toward completing a High School Diploma while beginning an Associate Degree.
- **Career Pathways Jumpstart**: Attend RVC full-time during senior year to earn dual credit toward completing a High School Diploma while beginning a CTE program.
- **Senior Semester**: Attend RVC full-time in the last semester of senior year to earn dual credit toward completing a High School Diploma while beginning an Associate Degree.
- **Pathways (Linking Talent with Opportunity)**: Enroll in a sequence of career and technical education courses at high school and earn RVC articulated credit and dual credit toward an RVC certificate or degree program.
- **Transitional Courses**: High School math & English courses that guarantee college-level placement upon successful completion.

Returning Students

1. Students may be required to complete an application if they have not attended a class at RVC in 3 years; or if it has been more than 2 years since enrollment. Contact Admissions for more information at (815) 921-4000.

2. Consult with an Advisor when selecting classes and setting academic goals, call (815) 921-4100.

3. Apply for Financial Aid.

4. Register for classes.

5. If nearing graduation, submit an application for graduation at the Records and Registration Office. For graduation application submission deadlines: RockValleyCollege.edu/ImportantDates

6. Check registration dates at: RockValleyCollege.edu/ImportantDates.

7. Arrange payment by payment deadline. Check payment due dates at: RockValleyCollege.edu/ImportantDates.

Determine Placement

All new students interested in enrolling in credit classes are required to meet placement requirements prior to registering for credit courses. Rock Valley College provides different starting points for students interested in taking credit classes. We want to make sure your journey at Rock Valley College begins at the best place for you, so we will review your transcripts for the following multiple measures to establish your starting point. All score reports and transcripts should be submitted to the Records and Registration Office for evaluation as soon as possible, (815) 921-4250, or visit: RockValleyCollege.edu/Records.

Multiple Measures:

- High School &/or College transcripts - includes Advanced Placement (AP), College Level Examination Program (CLEP), International Baccalaureate (IB), and successful completion of appropriate developmental education course(s) in English &/or Math at another regionally accredited college or university.
- Cumulative High School GPA (within five years)
- SAT, ACT, and/or GED scores (within three years)
- Transitional courses in English &/or Math (within 18 months)
- CASAS (120 days)
- Placement Assessments: ACCUPLACER, ALEKS, EdReady

More information about the multiple measures and placement assessments is available at: RockValleyCollege.edu/Testing and in the Testing Center, (815) 921-2380.

Testing accommodations for students with disabilities must be approved by the Office of Disability Support Services (DSS) at least one (1) week prior to testing in order to arrange appropriate services, (815) 921-2371.

First Year Experience

(815) 921-4094
Located: Student Center - first floor
Website: RockValleyCollege.edu/FYE

1. The "New Student Welcome Event" is offered prior to the start of fall and spring semesters. All new students are expected to attend a New Student Welcome. It is an opportunity to meet other new students, tour the campus, attend a resource fair, and learn about the student services on campus. Online registration: RockValleyCollege.edu/NewStudentWelcome.

2. Peer mentors are a resource for all students. They share the student experiences, connect students resources available on campus and help students engage through campus activities, clubs and organizations. To contact a peer mentor: RVC-FYE@RockValleyCollege.edu.

3. Student Success Workshops are offered during the spring and fall semesters and are open to all students. A diverse range of topics are covered in an effort to meet the needs and interests of all RVC students. The workshops provide an opportunity for students to engage on campus and meet other students with common interests.

In order to register for classes, students must have completed an application for Admission, and have met placement requirements 14.

Records & Registration

Auditing a Class

Students who wish to audit a course without receiving credit must visit the Records and Registration Office. Auditing students pay full tuition and fees – see Tuition and Fees located on the RVC website: RockValleyCollege.edu/Tuition.

Changes may be made from credit to audit, or vice versa, prior to the first day of class. Audits are not allowed for non-credit courses.

Academic Load

Full-time students: Students enrolled in twelve (12) semester hours of course work or more during the fall, winterim, spring, or summer terms shall be considered full-time. The summer term consists of Summer Session I and Summer Session II. The total amount of semester hours taken in Summer I and Summer II will determine the enrollment classification for the summer term. The recommended maximum academic load during fall or spring semesters is 18 credit hours, during Summer Session I is seven (7) credit hours, and Summer Session II is nine (9) credit hours. Winterim maximum academic load is seven (7) credit hours. Registration for any additional hours must be approved by Advising & Records.

- A petition for an academic overload is required and can be obtained in the Academic, Career, and Transfer Advising Office, on the second floor of the Student Center on the Main Campus.

Part-time students: Students enrolled in one to eleven (1-11) semester hours of course work during the fall, spring, or summer terms shall be considered part-time. Students enrolled in less than six (6) semester hours of course work during any term shall be considered less than half-time.

Withdrawal from a Class

Rock Valley College reserves the right to administratively withdraw those students who are not actively attending and/or participating in the course as determined by the instructor. Students may also be withdrawn for emergency or disciplinary reasons or if they are enrolled in courses not consistent with placement testing and course prerequisites. Students are responsible for officially withdrawing from course(s) they are no longer attending. These types of withdrawals do not remove any financial obligations incurred for the course(s). The appropriate withdrawal forms are available through contacting the Records and Registration Office. Course withdrawal is only available through contacting the Records & Registration office.

Students are encouraged to consult with their Instructor, Academic, Career, or Transfer Advisor, and the Financial Aid Office if they are receiving aid, before withdrawing from a course. Withdrawal after the last day for tuition refunds date will result in a "W" grade on a student's transcript.

Deadlines for shorter-term courses may be found in the Records and Registration Office or at: RockValleyCollege.edu/ImportantDates.

Grades of "W" (withdrawal) are not used in calculating the GPA or semester hours attempted but will count toward financial aid eligibility. No withdrawals are accepted after the deadline except in cases of extenuating circumstances. Refer to your course syllabus for specific withdraw deadlines.

Students called up for Military Active duty must contact the Veterans Services Office at (815) 921-4163.

Students with extenuating circumstances (military activation, death of immediate family member, or serious medical condition) must submit an Enrollment Appeal to the Records and Registration Office by calling (815) 921-4250. Enrollment Appeal forms are available in the Records and Registration Office. All appeal forms must be accompanied by supporting documentation or the appeal will be denied. Submitting an appeal does not guarantee approval.

Tuition & Fees

By registering for a course, students agree to pay the required tuition and fees for that course. Tuition is charged per semester hour for credit courses and varies depending upon residency. Tuition rates and fees are subject to change without prior notice.

Tuition Appeals

No tuition refund will be granted following the tuition refund date. If extenuating circumstances exist (i.e., military activation, death of immediate family member, or serious medical condition) a student may submit a Tuition Appeal with supporting documentation to the Records and Registration Office. A Tuition Appeal does not automatically result in a refund. Tuition Appeals may be submitted within the semester in which the student was enrolled in the course(s). Students who have received Financial Aid funding do not qualify for a tuition appeal refund; however, an enrollment appeal can be filed

Out-Of-State Students

Students whose legal residence is outside of Illinois are considered out-of-state students and charged the appropriate tuition. International students who are not citizens of the United States and do not meet the criteria listed above will be considered out-of-state students.

Tuition/Fees

For current tuition rates and specific class fees, refer to the RVC website at: RockValleyCollege.edu/Tuition.

Tuition For Senior Citizens (age 62 & over)

Students 62-64 years of age, prior to the start of the semester, who are residents of Rock Valley College District 511 qualify for a reduced tuition rate of $25 per credit hour for credit courses only.

Students age 65 and over, prior to the start of the semester, who are district residents may attend credit classes tuition free.

All other fees will be assessed at a full rate for students in both age categories. The tuition reduction is not applicable for enrollment in non- credit seminars, classes, or programs.

Residency

Students applying to RVC are classified for the purpose of determining tuition and fee rates. Evidence of resident status is provided on each applicant via the application they submitted. Residency status will not be changed after the 10th day of each semester.

Questions regarding classification should be directed to the Records and Registration Office at (815) 921-4250 or visit: RockValleyCollege.edu/Residency.

In-District Student

To be classified as a District 511 resident, students must have resided within the district for at least 30 days prior to the start of the semester. Students who have moved from an out-of-district or out-of-state residence to an in-district residence for reasons other than attending RVC are exempt from the 30-day requirement upon verification. Residency verification requires one of the following: an official signed lease or rental agreement, a current Illinois driver's license or State I.D., a utility bill in the student's name, or a valid Illinois voter's registration card. A student living outside the district/state, but who is employed at least 35 hours per week within the district, must present a letter from the employer prior to each semester testifying to that fact in order to have out-of-district/state fees waived.

Note: If a person is Active Duty in the military or utilizing military educational benefits, then the board shall deem that person an in-district resident for tuition purposes. International students may be considered in-district students if they:

1. Graduated from a high school in the RVC district and hold a student visa or
2. F1 International students who have a sponsor that lives within the RVC district can fill out a "Live-in Guest" waiver that verifies Sponsorship, and guarantees payment of tuition, fees, and miscellaneous college charges. Contact the Records and Registration Office at (815) 921-4250 with questions or visit our website at: RockValleyCollege.edu/Residency.

Courses that are taught 100% online will be charged at the in-district tuition rate for all students, regardless of their residency. All other courses will be billed based on residency.

Out-Of-District Student

A student who has not established residency within Community College District 511, but is a resident of the State of Illinois, will be classified as out-of-district and charged the appropriate tuition. Out-of-district students who want to attain an approved occupational program degree or certificate offered only at RVC and not their own district community college should refer to "Joint Agreement Program (p. 22)".

Tuition Refund

Rock Valley College has determined students may receive a tuition refund upon dropping credit courses based on the following guidelines. In each case if the student drops courses by the specified date, all tuition and fees are refunded. There is no prorated schedule for tuition and fee refunds.

Tuition refund requests should be made to the Records and Registration Office during normal business hours. Refunds will be made according to the following schedule:

COURSE LENGTH	100% REFUND	NO REFUND
16-week course (fall-spring)	Before or during first 9 business days of semester	After the 9th business day of the semester*
4- to 15-week course	On or before 4th business day from start of class	After the 4th business day*
Less than 4-week course	On or before 3rd business day from start of class	After the 3rd business day*

* Saturdays are scheduled course days and are used in the calculation of business days.

The college reserves the right to make the final decision on all refunds.
-It is the student's responsibility to know the refund dates for their courses.
-Non-attendance does not constitute a drop in a course nor qualify students for a refund.
-It is the student's responsibility to drop themselves from a course.
-Failure to drop a course properly may result in a failing grade.
-No refunds will be granted when a student is dismissed or suspended from the college for disciplinary reasons.
-Non-attendance due to Military service, contact Veterans Services Office at (815) 921-4163.

Payment Information

There are two payment options available:

1. **Pay Online**. Log into your student services online account at: RockValleyCollege.edu/OnlineServices to pay in full or initiate a payment plan. Payment methods include credit (debit) cards (VISA, Mastercard, Discover, and American Express; or ACH Automated Clearing House-electronic transfer) from a checking account. – OR –
2. **Visit the Payment Center** in the Student Center (second floor). Payment methods include cash, check, money order, or credit (debit) cards (VISA, Mastercard, Discover, and American Express).

All credit (debit) card payments will be charged an additional 2.5% non-refundable transaction fee.

Students who do not make their payment in full, have not been awarded financial aid, or have not signed up for the payment plan will have their classes cancelled for non-payment.

Tax Information: Prior year tax information (IRS tax form 1098T) will be available in Self Service at: RockValleyCollege.edu/MyRVC by January 31st each year. Under Tax Information, click on the “1098 Information" tab and select the year. Student must have a social security number on file.

Cooperative Agreement Program

Rock Valley College participates in the “Comprehensive Agreement Regarding the Expansion of Educational Resources” (C.A.R.E.E.R.) with several Illinois community colleges. This agreement is regulated by the Illinois Community College Board (ICCB) and is designed to provide expanded educational opportunities only for A.A.S. degrees and certificate programs not offered by Rock Valley College. Rock Valley College’s District 511 Cooperative Agreement Program allows an RVC student to attend another Illinois public community college at an in-district tuition rate with proper approval and documentation. An application for a Cooperative Agreement should be submitted 30 days prior to the first day of the semester the student intends on registering for. Please go to: RockValleyCollege.edu/Agreement to apply for an agreement.

Also, the Cooperative Agreement Program does not guarantee admission for out-of-district students, rather it permits out-of-district rates to be waived, allowing the student to obtain the A.A.S. degree or certificate for in-district tuition rates. Out-of-district students interested in enrolling in a program at Rock Valley College under a Cooperative Agreement should contact their home community college prior to enrolling at RVC to fill out a Cooperative Agreement (if they are looking to pursue a program at RVC that is not offered at their home college). If not sure of residency, students can check the website listed above and click on “Are You an RVC Resident?”

Prerequisite course requirements may be taken at the home college or at the receiving college. There may be special circumstances associated with programs that have competitive enrollment with limited seats. These individual cases may be reviewed by the Student Services.

For further information about Cooperative Agreements, please call the Records & Registration Office at (815) 921-4250 or visit in-person on the second floor of the Student Center on the Main Campus. Or find more information and an online application for RVC students at: RockValleyCollege.edu/Agreement.

Rock Valley College’s C.A.R.E.E.R. Cooperative Agreement Program includes the following Illinois institutions:

Black Hawk College
Carl Sandburg College
College of DuPage
College of Lake County
Danville Community College
Elgin Community College
Heartland Community College
Highland Community College
Illinois Central College
Illinois Eastern Community College
Illinois Valley Community College
John A. Logan College
John Wood Community College
Joliet Junior College
Kankakee Community College
Kaskaskia College
Kishwaukee Community College
Lake Land College
Lewis and Clark Community
Lincoln Land Community College
McHenry County College
Moraine Valley Community College
Morton College
Oakton Community College
Parkland Community College
Prairie State College
Rend Lake College
Richland Community College
Sauk Valley Community College
Shawnee Community College
Southeastern Community College
South Suburban College
Southwestern Illinois College
Spoon River College
Triton College
Waubonsee Community College
William Rainey Harper College

Rock Valley College also has a special Cooperative Agreement Program with Blackhawk Technical College in Janesville, Wisconsin for the following programs: Blackhawk Technical College, 6004 S. County Road G, Janesville, WI 53546 (608) 758-6900 | Blackhawk.edu

Agribusiness Specialist
Culinary Arts
Diagnostic Medical Sonography & Vascular
Diesel/Heavy Equipment Technician
Electric Power Distribution
Electro-Mechanical Technology
Human Resource Management
HVAC/R
Laboratory Technician Assistant
Physical Therapy Assistant (2 seats)
Radiography (2 seats)

Financial Aid

Four basic types of financial aid are available to Rock Valley College students: grants, scholarships, loans, and student employment. For complete information about financial assistance, contact the Financial Aid Office at (815) 921-4150 or go to: RockValleyCollege.edu/FinancialAid to view the RVC Financial Aid Handbook for a complete list of Financial Aid options and policies.

Application Procedures

In order to determine eligibility for financial aid at Rock Valley College, students must complete the Free Application for Federal Student Aid (FAFSA). Students must apply for aid yearly, as soon as possible after October 1st for the following year's fall/spring/summer semesters to ensure full consideration for all grants.

Applications are considered on a "date received" basis. For example, students should complete their 2022-23 FAFSA for the Fall 2023 semesters on or shortly after October 1, 2021. Students are encouraged to use the IRS Data Retrieval Tool when completing the FAFSA.

For "priority consideration" deadlines students should refer to the RVC Financial Aid Handbook. Students are encouraged to file online at: https://StudentAid.gov. RVC's school code for FAFSA purposes is 001747. Over 50% of the FAFSA applications received last year contained errors. To avoid lengthy delays in processing, please complete forms accurately.

Maximum Timeframe Requirement

Students may receive financial aid for the first 150% of the published length of their program credit hours attempted at Rock Valley College, even if financial aid was not received for all attempted courses. For example, if a student is attempting an Associate of Arts Degree, the published length of program is 64 credits. Applying the 150% maximum timeframe rule on this program would limit a student to 96 attempted credits (64 credits x 150% = 96 maximum credits). Please note that this maximum timeframe is specific to the student's chosen program, and in some cases may be more or less than 96 attempted credit hours.

Attempted hours include:

- Any Developmental/Remedial courses (less than 100 level – i.e., MTH 093) beyond 30 attempted credits
- Repeated courses
- Withdrawn courses (after the tuition refund period)
- Non-completed courses (incompletes – grade of I)
- Transfer courses accepted for credit at RVC
- Courses with grades of A, B, C, D, F

Evaluation Requirement

At Rock Valley College, academic performance must be evaluated before a student can receive financial assistance. Academic performance is evaluated after each fall and spring semester. (The fall evaluation will include any summer courses in the overall completion rate.)

Repeated Courses

A student may receive financial assistance one time for a repeated course. Third attempts will not be counted in the calculation for federal student aid.

Military Education Benefits

Rock Valley College offers priority registration to all students using military education benefits (service member, veteran, spouse and dependent). Students interested in using military education benefits, federal and/or state, should contact the Veterans Services Offices at (815) 921-4163. For more information or review of eligible military programs visit: RockValleyCollege.edu/Veterans.

As of August 1, 2019 per 38 USC 3679 (e), Rock Valley College will not take the actions listed below, against any student using Post 9/11 (Chapter 33), Veteran Readiness and Employment (Chapter 31), or Survivors and Dependent Educational Assistance (Chapter 35) while pending payment:

- Prevent their enrollment;
- Assess a late penalty fee
- Require they secure alternative or additional funding;
- Deny their access to any resources (access to classes, libraries, or other institutional facilities) available to other students who have satisfied their tuition and fee bills to the institution

These provisions will be made once eligibility for the benefit has been established (ex: Certificate of Eligibility, written request to be certified, or see the VA School Certifying Official located on the second floor of the Student Center for all other requirements).

Federal Refund Policy & Repayment of Financial Aid

Students receiving Title IV funds (Federal Pell Grant, Federal SEOG, and Federal Student Loans) who withdraw and/or fail all classes will be subject to the Federal Return of Title IV Funds Policy. This policy states a student may retain only the amount of aid that they have earned. It is the student's responsibility to return any aid that was not earned and pay any tuition balance resulting from the refund(s).

Further details can be obtained from the Financial Aid Office or the Financial Aid Handbook located at: RockValleyCollege.edu/FinancialAid.

Helpful Websites

- U.S. Department of Education, (800) 4 FED AID: StudentAid.gov
- FinAid.org
- Mapping-Your-Future.org
- Illinois Student Assistance Commission, (ISAC) (800) 899-ISAC CollegeIllinois.org

Students can obtain printed copies of The Student Guide from the
U.S. Department of Education at: StudentAid.gov.

RVC Foundation Scholarships Are Here to Help You!

To apply for, or learn more about the many RVC Foundation Scholarships that are available each academic year, please visit RockValleyCollege.edu/Scholarships.

Developmental Course Requirements

While taking developmental courses (i.e., MTH 096A) a student must also be enrolled in and attending an eligible 100 level class. Please note that Title IV funding is limited to a maximum of 30 developmental course credits.

Note: Financial Aid will only consider payment for a class repeated two times.

These requirements are subject to change and may be updated.

Academic Standards of Progress for Recipients of Financial Aid

In accordance with the U.S. Department of Education and State of Illinois regulations, Rock Valley College established Standards of Academic Progress applicable to all financial aid recipients. These standards apply to all students receiving federal and state funding, including students using military education benefits and students receiving student loans or federal/RVC work-study employment.

Please note that all communication pertaining to academic standards will be conducted through the RVC student email account.

For a copy of the entire policy, students can contact the Financial Aid Office for the Financial Aid Handbook or view online at: RockValleyCollege.edu/FinancialAid.

Completion Rate Requirement: A student must achieve a 67% cumulative completion rate for all course work attempted at Rock Valley College. This applies whether or not the student previously received financial aid. In addition, the student must achieve a 67% cumulative completion rate for all course work attempted within a given semester.
a. Credit hours completed are defined as completion of a course by the end of a given semester in which a student is enrolled and receiving a grade of A, B, C, D, or P.

b. Credit hours attempted include all credit classes in which the student is enrolled after the last day to drop for refund. Course withdrawals after the last day to drop as well as courses with grades of "F" and "I" count as hours attempted for financial aid purposes.
c. Audits, proficiency tests, and non-credit courses are not included in the total number of credit hours attempted.

Grade-Point Average (GPA) Requirement for 2023–2024:
A student must maintain a minimum GPA requirement in order to continue receiving financial aid. Students can receive financial aid while on a Financial Aid Warning Status.

GPA	0 - 1.49	1.5 - 1.99	2.0 - 4.0
Hours attempted 1-12	Financial Aid Warning	Financial Aid Warning	Satisfactory
Hours attempted 13-24	Financial Aid Suspension	Financial Aid Warning	Satisfactory
Hours attempted 25 +	Financial Aid Suspension	Financial Aid Suspension	Satisfactory

Course Eligibility

To be considered for Financial Aid Eligibility, students must register for each course prior to the school's Financial Aid course registration deadline. Please review the Financial Aid course registration deadlines for each term. Any courses not added to a student's schedule by the term specific dates below, will not count towards Financial Aid eligibility.

Term	Financial Aid Registration Deadline
Fall 2023	9/23/2023
Spring 2024	2/17/2024
Summer 2024	6/29/2024

The most up-to-date Financial Aid Registration deadlines or "Census Dates" can be found at: RockValleyCollege.edu/FinancialAid.

Academic Policies & Procedures

Financial Obligation of the Student

Grade reports, transcripts, degrees/certificates, or other academic record information may be withheld from students who are in default on financial obligations. In such a case, students maintain the right to inspect and review their records. Information will only be released once the student's account has been cleared.

Updating Student Records

It is the responsibility of students to notify the Records and Registration Office of any change or correction to their name, address, telephone number, and/or any other information on their record. It is imperative that this information be kept current and accurate.

Repetition of Courses

Any student who retakes any course does so with the understanding that only the best grade of the repetition will be computed in the student's grade point average (GPA), but all attempts will be listed on the transcripts. If a student chooses to audit a course, it will not be considered a repeat or counted in the GPA. It is important to note that other colleges may count all grades for repeated courses when arriving at a GPA. It is the students' responsibility to acquaint themselves with the policy of the college(s) to which they plan to transfer.

Chosen/Preferred First Name

Students who would like to use a name other than their legal first name within the campus community are able to enter a chosen first name, update an existing chosen first name, or delete an existing chosen first name through the Records and Registration Office. For more information please visit: RockValleyCollege.edu/ChosenName.

Developmental Math Policies

If a student receives three (3) non-passing grades (D, F, or W) in a developmental math course within a five-year period, that student is not allowed to re-enroll for another math class at Rock Valley College without permission from the Dean of Adult & Developmental Education.

Credit for Prior Learning

Rock Valley College defines Credit for Prior Learning (CPL) as learning obtained outside of the traditional college classroom. All potential students, from high school to returning adult, may benefit from Credit for Prior Learning. Credit for Prior Learning can provide you with the opportunity to receive credit for these past learning experiences, save money on tuition, and accelerate the completion of your educational goals.

Credit may be earned through several methods, including credit through exams, military experience, work experience, and skills-validation. Some such methods include AP, CLEP, Dantes/DSST, International Baccalaureate Diploma Program, IL State Seal of Biliteracy, and other licenses.

For more information, please visit: RockValleyCollege.edu/CPL.

Transcript Requests

In order to obtain a transcript from Rock Valley College, consent must be given through one of the following options; National Student Clearinghouse, or the Records & Registration office.

Note: Transcripts listing courses numbered 100 and above will be sent for each request. If you took courses numbered below 100 (development/remedial), Community Education & Continuing Education courses or Adult Education courses, you will need to specifically request inclusion of these records.

Transcripts of work completed at other institutions become a part of a student's record at Rock Valley College and are not released or copied for distribution. Copies must be obtained from the institution where the courses were completed.

All Financial and Academic obligations to Rock Valley College must be satisfied before transcripts will be released.

Visit our website for detailed information at: RockValleyCollege.edu/Transcripts or contact the Records and Registration Office at (815) 921-4250 with questions.

Grading

Grade points at Rock Valley College are assigned on the following scale:

GRADE LEVEL	SIGNIFICANCE	GRADE-POINT
A	Superior	4.0
B	Good	3.0
C	Average	2.0
D	Poor	1.0
F	Failure	0
W	Withdrew/Not Completed	NA
T	Credit by Proficiency	NA
AU	Audit*	NA
P	Successful Completion	NA
I	Incomplete**	0
G	Transfer Grade of A-C	NA
H	Transfer Grade of D	NA

NA = not applicable

* Audit – Students may elect to audit a course (no credit, no grade points, not figured in grade point average). Audit status indicates that the student will attend the classes but will not receive credit. (A student must declare audit status before the first day of classes.)

** Incomplete – Upon prior arrangement and agreement with the course instructor and upon submission of the college's "incomplete grade agreement form" submitted by

the instructor, an incomplete (I) indicator will be recorded on the student's record.

An "I" will be issued at the discretion of the instructor when course requirements are not fulfilled by the end of the term only when the instructor believes that the reason the student cannot complete the course in a timely fashion is sufficiently serious to warrant the issuance of the "I" indicator.

The incomplete grade agreement is a contract made between the student and the instructor, and states specifically what the student must do to complete the course work. The course work must be completed within the specified time period, not to exceed 12 months from the end of the term in which the course was taken. Upon completion of the course work, the instructor will change the "I" indicator to the appropriate letter grade (A, B, C, D, or F). If the student does not complete the course work within this prescribed time period, a grade of "F" will be entered for the course.

Calculation of Grade Point Averages

A grade point average (GPA) will be calculated at the conclusion of each semester. The GPA includes all A-B-C-D-F grades complete to date, except those courses in which the pass/fail system is used exclusively, or those courses in which the pass/fail option is selected, or courses numbered less than 100. If a course is repeated, only the best grade of the repetition will be computed in a student's GPA.

The GPA will be calculated based on a four point basis (F=0, D=1, C=2, B=3, and A=4) where the number of grade points for a specific letter grade is multiplied by the number of credit hours earned for that course. For instance, the number of credit hours in which the student earned an A is multiplied by four (4) then added to the number of credit hours in which the student earned a "B" multiplied by three (3), etc. Finally, the total grade points are divided by the total credit hours for which a student received an A, B, C, D, or F.

Appeal of a Capricious Final Grade

The following procedures are available only for review of alleged capricious grading, and not for review of the judgment of an instructor in assessing the quality of a student's work. Capricious grading is limited to one or more of the following:

a. The assignment of a final course grade to a particular student on some basis other than performance in the course.

b. The assignment of a final course grade to a particular student by a substantial departure from the instructor's standards announced during the term which are not uniformly applied to others in the class.

The assessment of the quality of the student's academic performance is solely and properly the professional responsibility of the RVC faculty. It is essential for the standards of the academic programs at RVC and the integrity of the degrees conferred that these professional judgments are not subject to pressures or interference from any source.

Process for Capricious Final Grade Appeal

A student who wishes to appeal a final course grade which they feel has been capriciously given should follow the steps below. Grades may be appealed no later than the beginning of the fourth week of the academic term or summer session which directly follows the term in which the grade involved was awarded.

1. A student who wishes to appeal a capricious final grade must first meet with the faculty member to review the criteria applied in assigning that grade.

2. After this initial review, if the problem is not resolved, the student may next appeal in writing to the faculty member's Dean. Once the appeal is read, the Dean will meet with the faculty member to review the criteria applied to the student's performance in assigning the capricious grade. When the faculty member and the Dean have reached a decision, the Dean will communicate that decision in writing to the student.

3. If the problem is still not resolved, the student may appeal in writing to the Vice President of Academic Affairs (VPAA) of the college for further review. When the faculty member and the Vice President of Academic Affairs have reached a decision, the Vice President of Academic Affairs will communicate the decision in writing to the student.

4. In the event the matter is not resolved, the student may file a petition with the Chief Academic Officer (CAO) requesting a hearing by the Grade Review Committee. All decisions of this committee are final.

5. The Grade Review Committee (GRC) Process is as follows:

   A student must submit in writing their request for a hearing to the CAO. The CAO, or designee, will convene the GRC within 30 business days from the request.

   The committee will consist of a dean (from outside the academic department) and two faculty members (one from the same academic discipline and the other from outside the academic discipline). All three voting members of the GRC will be selected by the CAO or designee. The Vice President of Student Services will facilitate the committee as a non-voting member.

   a. The Student will meet with the committee, individually, to present their appeal and any pertinent documentation.
   b. The faculty member, who assigned the final grade, will then independently meet with the committee and present the criteria they applied in assigning the final grade.
   c. The committee will reach a decision in closed session immediately following the hearing. The Vice President of Student Services will inform the student in writing regarding the decision of the committee, within five (5) business days. The decision of the GRC is final.

President's List & Dean's List

To be eligible for the President's List and Dean's List for a given semester, students must earn at least 12 credit hours of college course work which count toward a certificate or degree.

Students who meet the eligibility requirements and earn at least a 3.25 GPA will be named to the Dean's List (fall and spring semesters only). Students who meet the eligibility requirements and earn a 4.0 GPA will be named to the President's List (fall and spring semesters only).

Academic Forgiveness Criteria

Academic forgiveness is the one-time, permanent (non-reversible), elimination of up to a maximum of 15 semester hours of "D" or "F" grades in courses numbered 100 or above received at Rock Valley College. Academic forgiveness applies to the calculation of a grade point average (GPA) at RVC and does not result in the deletion of those grades from the transcript. RVC does not guarantee that a receiving transfer institution will honor RVC's Academic Forgiveness Policy.

To be eligible for academic forgiveness:

1. Students may petition for academic forgiveness for a maximum of 15 semester hours of "D" or "F" grades which have been earned in any 365-day period.

2. A period of 12 months must have elapsed between the date of the request for forgiveness and the end of the last semester in which the undesirable grades were earned.

3. Petitions shall include:
   a. A list of those courses to be considered for academic forgiveness.
   b. A statement which contains pertinent information regarding the receipt of the undesirable grades and an indication of serious intent to continue academic studies.

4. To be considered for academic forgiveness, a student must have completed a minimum of 12 credits of subsequent course work at a
   2.0 GPA at RVC or another regionally accredited institution.

5. Academic forgiveness does not apply to courses which have been repeated and completed with grades of A, B, C, D, or F.

6. Special circumstances will be reviewed by a Vice President of Academic Affairs (VPAA).

7. It is recommended that students meet with an Academic Advisor to review courses that may be eligible for academic forgiveness.

The Petition form may be obtained from the Records and Registration Office. The Petition should be completed and submitted to the Records and Registration Office. The final decision for Academic Forgiveness will be determined by the VPAA.

Graduation

Graduation Academic Honors

Graduates with a cumulative GPA of 3.25 to 3.74 will graduate with honors. Those with a cumulative GPA of 3.75 to 3.99 will graduate with high honors. Those with a cumulative GPA of 4.00 will graduate with highest honors.

Graduation Requirements

The general procedures for graduation are outlined below. Course requirements and other regulations are explained for each degree and major in the program section of this catalog.

Students should:

- Meet early and often with an academic advisor to plan a program of study and to ensure all requirements are met to graduate.
- Know and follow the requirements of the curriculum and the rules governing academic work. Academic Advisors can help each student make wise decisions but the ultimate responsibility for meeting the requirements to graduate rests with each student.
- Have at least a minimum of 15 semester hours of residency.
- Must achieve a cumulative 2.0 (C) grade point average in all 100/200 level courses attempted at Rock Valley College.

Students will be certified for graduation only if they satisfy the requirements specified in the official *College Catalog*, according to the following:
A student may elect to follow degree requirements set forth in any subsequent catalog if the student completes a credit course during that catalog's effective dates. A new catalog becomes effective in the fall semester of the first year issued and remains in effect until the end of the summer session of the last year noted. Requirements may not be combined from different catalogs.

Earliest catalog to be used to 15 determine eligibility for graduation:	To graduate on/before August of the following years:
2016-2017	2024
2017-2018	2025
2018-2019	2026
2019-2020	2027
2020-2021	2028
2021-2022	2029
2022-2023	2030

In the case of curriculum changes and the cancellation or withdrawal of courses, every effort will be made to substitute current course work to fulfill certificate or degree requirements. Course substitutions must be approved in writing by the appropriate academic chairperson, or dean. The student has the ultimate responsibility to fulfill the requirements for the certificate or degree, to check the eligibility to take courses and to observe the academic rules governing the program.

The rules given apply only to requirements for certificates and degrees. All students are subject to the academic regulations stated in the most recent College Catalog.

- **Transfers**: Students who complete any courses (including final ones) from another college, must submit official transcripts as soon as possible and submit a transcript evaluation request.
- **Timing**: Graduation requirements may be completed during any semester; however, if a program cannot be completed as planned, notify the Records Analyst immediately.
- **Application**: Students must submit an application for graduation approved by an Academic Advisor to the Records and Registration Office, located on the second floor of the Student Center, Main Campus.

Deadlines for application are:
March 1 – Spring
June 1 – Summer
October 1 – Fall

Note: Summer graduates planning to participate in the Commencement Ceremony must meet the spring application deadline.

Commencement Ceremony

Commencement is held once a year at the end of the spring semester. All students who will complete graduation requirements for the following degrees: A.A., A.S., A.E.S., A.A.S., and A.G.S. are eligible for participation in the spring commencement ceremony. Students who expect to complete their degree at the end of the spring semester or summer immediately following, as well as those who completed their requirements the previous summer or fall semesters, are encouraged to participate. Students must submit an application for graduation to participate in the commencement ceremony (see above). These students will be sent additional information and notified about picking up their cap and gown during the spring semester. Students completing a certificate program will receive their certificate in the mail following the semester of completion. Certificate recipients do not participate in the commencement ceremony.

Second Degree Requirements

A student who has received or qualified for one associate degree from Rock Valley College may receive a second degree upon satisfactory completion of all graduation requirements for the second degree, including an additional 15 semester hours of residency. All specific course requirements for the second degree must be satisfied and at least 15 semester hours of credit, not applied to meet minimum requirements for the first degree, must be applicable toward the second degree.

A student who has received a degree from any other college accredited by a regional accrediting agency, such as the Higher Learning Commission (HLC), may receive a second degree from Rock Valley College upon satisfactory completion of all graduation requirements for the second degree, including a minimum of 15 semester hours of residency at Rock Valley College.

Student Services

Most Student Affairs departments are located in the Student Center on the Main Campus, 3301 N. Mulford Road

Financial Aid

(815) 921-4150
Located: Student Center - second floor
Website: RockValleyCollege.edu/FinancialAid

There are several types of financial aid available to Rock Valley College students: grants, scholarships, loans, and student employment. See "Getting Started Steps (p. 14)" section of this catalog.

Personal & Success Counseling

(815) 921-4101
Located: Student Center - second floor
Website: RockValleyCollege.edu/PersonalCounseling

The Rock Valley College Personal and Success Counseling's mission is to prepare students for learning and personal success throughout life. We educate and facilitate the growth of the whole person for living, learning, and coping in an unpredictable and diverse world. We work in conjunction with our colleagues across campus toward the promotion of a healthy campus environment and advocate for all students regardless of age, race, sexual orientation, or political beliefs.

Students will be provided assistance for feelings of anxiety, depression, inadequacy, loneliness, or any other personal concern students may be struggling with. The Personal and Success Counselor will provide short- term counseling and will connect students to community resources if long term counseling is the better solution. Topics discussed during a meeting will be held in confidence and community resources for recovery will be provided.

Students who do not meet the Financial Aid required "Standards of Academic Progress" (SAP) will be required to meet with the Personal and Success Counselor as a requirement for appealing their Financial Aid Status. Students will develop an academic recovery plan and discuss any possible barrier preventing each student from being successful and strategies to overcome them. Students are encouraged to continue visiting with the Personal and Success Counselor after the initial appointment. See Financial Aid (see page 19-20) for more details about requirements and appeals.

In addition, the Personal and Success Counseling Office coordinates the College Early (academic) Alert Program and leads an Academic Recovery Program for students on Academic Probation. Students looking to implement or improve successful time management, study skills, or stress relief techniques are encouraged to schedule an appointment.

Testing Center

(815) 921-2380
Located: Student Center - ground floor
Website: RockValleyCollege.edu/Testing

The Testing Center (Main Campus) is the central location for the professional administration of testing programs and services for students and community residents. Services include placement testing, make-up exams, exams for online/hybrid courses, testing accommodations for students with disabilities, College Level Examination Program (CLEP), Dantes Subject Standardized Tests (DSST), and various certification exams.

Community residents enrolled in postsecondary, distance/online programs at other institutions may also complete their course exams in the Testing Center.

For more information, visit:
RockValleyCollege.edu/Testing or call (815) 921-2380.

The Valley Forge

(815) 921-3331
Located: Educational Resource Center - ground floor
Website: RVCValleyForge.com

The Valley Forge is RVC's award-winning student-run news source. It is updated throughout the Spring and Fall semesters.

Any currently enrolled student may apply to work on The Valley Forge. For more information please contact the faculty advisor, Jerry LaBuy at:
J.LaBuy@RockValleyCollege.edu.

The Valley Forge also encourages the submission of ideas, articles, columns, and letters to the editor by the entire RVC community. The links for sending that information can be found at: RVCValleyForge.com.

Bookstore

(815) 921-1680
Located: Student Center - ground floor
Website: RockValleyCollege.edu/Bookstore

The Barnes & Noble College Bookstore, on the Main Campus, offers book rentals, used and new textbooks, digital books, reference and general reading books, school supplies, backpacks, insignia clothing and gifts, and gift cards.

To rent or purchase textbooks and digital textbooks, students can shop in the Bookstore or go to: RockValleyCollege.edu/Bookstore, where they can have books shipped to their homes or held for pick up in the Bookstore.

For academically priced software go to: ThinkEDU.com/BN.

PAYMENT METHODS
In the store we accept cash, credit/debit cards (VISA, Mastercard, Discover, and American Express, no additional fees) as well as Barnes & Noble gift cards, financial aid (check with the Financial Aid Office for eligibility) and vouchers. Online we accept credit/debit cards, PayPal, and financial aid/vouchers.

BOOK RENTALS
Are due on the last weekday of finals. Check your receipt or in the Bookstore for the specific date.

BOOK BUYBACK
We purchase books at national market value (0-25% of price) year-round. During finals time, we may pay up to 50% back for books needed on our campus.

BOOKSTORE HOURS*
Hours for fall and spring semesters are:
Monday-Thursday 9:00 a.m.- 4:00 p.m.
Friday 9:00 a.m.- 1:00 p.m.
*The Bookstore is CLOSED during Spring Break and when the college is closed. Call for "buyback" dates, summer hours, extended hours, and hour changes due to holidays and breaks. *Hours subject to change.

BOOKSTORE LOYALTY PROGRAM
Be the first to hear about special sales and discounts, trends, events, giveaways and more from the RVC Bookstore delivered right to your inbox!
It's free for anyone to join, including current and prospective students, faculty, and staff, community members, parents, and alumni.

A portion of all sales and rentals from the RVC Bookstore goes back to support Rock Valley College.
Give us your email, Get 10% off!
https://forms.bncollegemail.com/Emails/Form2

Library

(815) 921-4600
Located: Educational Resource Center (ERC) - first & second floor
Website: RockValleyCollege.edu/Library

Resources of over 90,000 book volumes, 650 periodical titles, access to the materials of an additional 88 Illinois academic libraries, and services of dedicated information specialists – all strengthen the mission of Estelle M. Black Library at Rock Valley College in service to the information needs of students, faculty, staff and community members of the college district.

The Library facility provides space for individual and group study. Services to students are focused on circulation of materials and instruction in the use of the online catalog and electronic databases as well as orientation to major collections within the Library

The Library makes available to the college community platforms that include research discovery, video, and streaming services. There are 27 computers and 2 iMacs for student and community use for study and research. Also available: an audiovisual viewing room, an Assistive Technology Lab, Wi-Fi, color printer, scanning workstation, and multifunction copier/fax/scanner. In addition, the Library provides "course reserves" and Interlibrary Loan service.

For more information, contact the Library:
- Reference Desk/Research Help (815) 921-4619
  – Email: RVC-LibRef@RockValleyCollege.edu
- Circulation Desk & call-in Renewals (815) 921-4615
  – Email: RVC-Library@RockValleyCollege.edu
- Interlibrary Loan (815) 921-4607

Tutoring Services

Tutoring Center

(815) 921-2370
Located: Student Center - ground floor
Website: RockValleyCollege.edu/Tutoring
Email: RVC-Tutoring@RockValleyCollege.edu

The Tutoring Center supports the academic development of RVC students through free peer-to-peer tutoring.

Appointments are encouraged, but drop-in times are available for some classes. Sessions are 50 minutes and start on the hour. Students should bring their textbooks and class notes to the session.

Writing Center

(815) 921-2370
Located: inside the Tutoring Center
Email: RVC-WritingCenter@RockValleyCollege.edu

Writing coaches provide free individual sessions to help RVC students understand and prepare writing assignments. Help is provided in planning, developing and organizing ideas, composing, revising, editing, and citing sources.

Appointments are encouraged, but drop-in times are available. Sessions are 30 minutes. Students should bring their assignment and grading rubric (if provided) to the session.

Math Lab

Located: Jacobs Center for Science & Math (JCSM) – ground floor, room 0210
Website: RockValleyCollege.edu/MathLab
Email: RVC-Tutoring@RockValleyCollege.edu

The Math Lab is staffed by instructors and tutors to help all RVC students with free drop-in tutoring, access to math course textbooks, in-lab use, and rentals of graphing calculators, computers to use for online math homework, and other math resources.
Hours change each semester.

Check the current schedule on door and on the Math Lab website.

Science Resource Room

Location: Jacobs Center for Science & Math (JCSM), First Floor, Room 1011
Phone: (815) 921-1167
Open Hours: Hours change each semester; current schedule is posted on door.
Manager: Lisa Strong | (815) 921-3454

The Science Resource Room is a place to study biology, chemistry, and other sciences by yourself or in small groups. Textbooks, computers, and limited lab materials are available for use by Science students. Science faculty or peer tutors may be available. Please bring your own paper if you need to print

Academic, Career, and Transfer Advising

(815) 921-4100
Located: Student Center - second floor
Website: RockValleyCollege.edu/Advising

Academic and Transfer Advisors educate and provide quality services and opportunities that engage students in developing their personal growth and educational goals. You may schedule an appointment or visit during walk-in advising hours. For office hours and services, please visit us at: RockValleyCollege.edu/Advising.

Disability Support Services (DSS)

(815) 921-2371
Located: Student Center - ground floor
Website: RockValleyCollege.edu/DisabilityServices

The Disability Support Services (DSS) office provides reasonable accommodations for students with temporary or permanent disabilities. Students requiring assistance are encouraged to contact the DSS office as early as possible, as some accommodations require more implementation time than others. Reasonable accommodations provided by DSS may include: extended time for exams, course textbooks and materials in alternative format, sign language interpreters, assistance with note taking, use of assistive technologies, and readers for exams. The DSS office serves as a resource for the campus and provides information and training to the larger campus community on issues relating to disability and access compliance.

The RAISE (Raising Aspirations through an Inclusive Student Experience) program is administered through the DSS office and provides opportunities for young adults who have intellectual disabilities to participate in an inclusive post-secondary education experience and to develop independent living, social, and work readiness skills. RAISE is approved as a Comprehensive Transition and Postsecondary (CTP) program through the US Department of Education, allowing students to apply for Federal Financial Aid.

For more information, visit our web page: RockValleyCollege.edu/RAISE.

TRIO Student Support Services (SSS)

Located: Student Center - second floor
Website: RockValleyCollege.edu/TRIO

ACHIEVE SCHOLARS.....(815) 921-4280
COMPLETE..... (815) 921-4114
UPWARD BOUND.....(815) 921-4127

Eagles Nest Food Pantry.....(815) 921-4637
***The mission of the Eagles Nest Food Pantry is to combat food insecurity by distributing food free-of-charge to RVC students, including GED and ESL classes or international students.**

Student Support Services promotes the retention and graduation of low income, first generation college students, and/or students with disabilities through tutoring, mentoring, skill development, and other services to empower them to graduate.

Upward Bound promotes Secondary school and college completion through tutoring mentoring and other services. Attendees include potential first-generation college students from RPS 205 Rockford Auburn or East High Schools.

Admissions and Welcome (Info) Center

(815) 921-4000
Located: Student Center - first floor
Website:RockValleyCollege.edu/Admissions

The RVC Welcome Center provides assistance regarding campus locations, services, and activities, such as:
Getting Started Days
- Application to RVC
- Student I.D. issued (photo I.D. and current class schedule required)
- Password resets
- Campus lost and found
- Vending refunds (three-day return policy)
- Campus Tours

The Admissions and Welcome Center also houses the Student Ambassadors, a program in which students serve the college by providing campus tours, serving on student panels, office support, and so much more. Student Ambassadors in this program have a unique opportunity to be a representative of the college while gaining leadership and professional skills.

Career Services and Placement

(815) 921-4100
Located: Student Center - second floor
Website: RockValleyCollege.edu/CareerServices

The Career Services and Placement Office serves as a clearinghouse for off-campus part-time/full-time employment listings, internship opportunities, job search skills, career counseling, and general career information. Special attention is given to graduates in all phases of securing employment. Personality and career interest assessments are provided to help students obtain additional information about themselves. With an advisor's help, students are encouraged to use assessment results as indicators and a basis for planning and self- evaluation.

The following services are free to all current RVC students and alumni:

- Internet based employment listings for part-time/full-time, professional, technical, skilled, unskilled, seasonal, and temporary employment, as well as internship opportunities
- Individual assistance with resume writing, cover letters, job search techniques, and interviewing
- Resume software and computers to produce professional resumes and cover letters
- One-on-one career counseling
- Assessments that assist with the career exploration process
- Internet access to research careers and job listings on our website: RVCjobs.com.

Intercultural Student Services (ISS)

(815) 921-4116
Located: Student Center - second floor
Website: RockValleyCollege.edu/ISS

Intercultural Student Services (ISS) Office provides support for a variety of unique student populations. Success coaching, programs and special events are coordinated to support the diverse needs of international, multicultural, first generation, student-athlete, undocumented and homeless student populations

Campus Technology

MyRVC

One-click access to all of Rock Valley College's most used Web resources is available at: RockValleyCollege.edu/MyRVC.

At "MyRVC" you will find links to:

• Self Service
• RVC EAGLE
• RVC Student Mail
• Engage
• College Catalog
• Student Handbook
• Course Schedule
• RVC Alerts

You can also access "MyRVC" from any page on the RVC website (RockValleyCollege.edu) by clicking on the "MyRVC" text in the header of the website.

RVC Self Service

A wide variety of options and services are available at: RockValleyCollege.edu/MyRVC.

Students can register for classes, review their class schedule, search for available courses, pay their bill, review grades, review/request transcripts, review their financial aid status, update address information, and more.

To access Self Service, students will need a student I.D. number (your "s" I.D. number) and password.

RVC Student Password Policy

All new students will be given a username and password that will work for RVC resources including RVC EAGLE, RVC Mail, Self Service and logging on to RVC campus computers. If you do not remember the password, contact the Admissions department or the Welcome Center for a password reset link at (815) 921-4000; or RVC-Admissions@RockValleyCollege.edu. Please provide your student I.D. number. It is the responsibility of all users of college IT systems to safeguard their passwords and their use of such systems. It is strongly recommended that students do not share their I.D. and password to adhere to RVC's Computer Use Policy.

RVC EAGLE Learning Management System

(815) 921-4646
Located: Educational Resource Center (ERC) - second floor outside the Library - Room 2402 (on the CLII side of the building)
Website: RockValleyCollege.edu/LMS

The Learning Management System (LMS) used in courses at Rock Valley College is called EAGLE. It can be used to submit homework, discuss course topics, complete exams and for course-related communication. Students can use the EAGLE notification interface to request help from their instructors or to discuss topics with other students enrolled in the same course. All students enrolled in RVC credit classes are given EAGLE Accounts.

RVC Mail (Gmail)

Rock Valley College has a student email system that allows students to interact not only with each other, but also allows campus offices to communicate information to students.

It is important for students to access their RVC Mail account every 24 hours in order to stay informed regarding:

- important dates
- course waitlist information
- campus events

Students may access this email system by logging onto: Mail.Student.RockValleyCollege.edu

All students enrolled in RVC credit courses are issued a free RVC Mail account. Technical Support for RVC Mail is located in the EAGLE Support area in ERC-2402.

The format for RVC mail is: first letter of first name+first letter of middle name+last name@Student.RockValleyCollege.edu.
Example – John M. Smith would be JMSmith@Student.RockValleyCollege.edu.

RVC-WiFi

Rock Valley College's wireless network provides mobile Internet access for students, faculty, and staff from the wireless access points located throughout the college. Employees and students with network accounts access the Internet using WiFi capable personal devices (tablets, phones, laptops). Log in using your browser and network account.
Go to: RockValleyCollege.edu/WiFi for instructions.

Microsoft Office 365

As an RVC student, you can install Microsoft Office 365 ProPlus for FREE on your personal computers and mobile devices. Office 365 ProPlus includes full versions of Word, Excel, PowerPoint, Outlook, and OneNote, and can be installed on up to five personally owned PCs/Macs and up to five mobile devices, including iOS and Android devices. You will need your student I.D. number (your s#) and your network password.
Go to: RockValleyCollege.edu/Office365.

First Year Experience (FYE) Tech Connect Session

(815) 921-4094

This session introduces RVC Online Services and RVC Eagle. Students must have completed the RVC enrollment form and have registered for classes prior to attending the session. Register for a Tech Connect Session at: RockValleyCollege.edu/FYE.

Center for Instructional Design, Teaching, and Innovation (CITI)

The Center for Instructional Design, Teaching, and Innovation supports the instructional supports the instructional development of face to face, online, and hybrid courses. The mission of the CITI team is to (a) maximize educational opportunities for all students including those seeking transfer degrees, career and technical education and basic skill training resulting in certificates, (b) provide greater access to higher education for our community and students through online technology, and (c) support faculty and students in the implementation of emerging technologies for all learning modalities.

Distance Learning - Online Classes & Hybrid Courses

Distance Learning: refers to education that takes place with the students and instructor in different locations. At Rock Valley College, the primary options for distance learning are online courses, and hybrid courses.

Online Courses: are offered via the Internet, but may have required campus visits determined by the course instructor. The course materials, such as syllabi, assignments, lectures, writing prompts, and activities are all posted within EAGLE and are designed and controlled by the instructor. Students work on the course materials independently, reading the texts and lectures and completing assignments. Students also participate in class discussions and conferences online, both in real time (synchronous) and in a bulletinboard format (asynchronous). Students may take tests and submit assignments through EAGLE, but some instructors will require students to come to campus to complete their exams.

Hybrid Courses: combine traditional classroom instruction with online instruction. A hybrid course is an online course that requires students to also attend sessions on campus. The number and type of campus meetings vary from one course to another.

To see a list of available courses, go to Online Course Schedule at: RockValleyCollege.edu/Courses.

Information Technology (IT)

The Information Technology department has responsibility for designing, implementing, and maintaining Rock Valley College's voice, video, and data systems, for both academic and administrative purposes.

Computer Labs

RVC has many different computer labs used for classroom instruction. There are two labs that students can use outside of the formal classroom setting. All labs contain computers with Internet and EAGLE access, and standard software, as well as printers for student use.

There are computers available for student use on the Main Campus:
•**Educational Resource Center (ERC)** Inside the Library, first floor, in the "Information Commons" Area.
•**Woodward Technology Center (WTC)**, first floor, in Room 1100. A computer lab assistant or student worker is available, in the Woodward Technology Center (WTC) lab, to assist students by answering questions and assisting with computer functions.

For more information, call the IT Service Desk at (815) 921-4800.

Other RVC locations:
•**RVC Downtown (RVCD)** – Second Floor, Study Room 2114. For more information, call the RVCD at (815) 921-4290
•**Advanced Technology Center (ATC)** – Rooms 1310 & 1312 For more information, call (815) 921-4297

Computer Use Policy

All Rock Valley College computer hardware and software may be used only in accordance with established rules and procedures. It is the responsibility of all users of the Rock Valley College computer systems to adhere to the "Acceptable Use of RVC Information Technology Systems" for use of RVC Information Technology resources as outlined. See the complete policy posted at: RockValleyCollege.edu/Terms.

RVC Alerts

Students are encouraged to sign up for “RVC Alerts” to be notified of emergencies, campus closings, or other important announcements, by clicking on RVC’s homepage button:

• Choose to be notified via
  – phone call
  – text message
  – and/or e-mail
•To register go to: RockValleyCollege.edu/Alert
•Be sure to read the Frequently Asked Questions (FAQs) and then click “Sign-Up” to register.
•Students will log-in using their student I.D. number and network password.
•You can also choose to receive non-emergency messages regarding financial aid, registration dates, and payment deadlines.

RVC Police Department

Located: Support Services Building (SSB), Room 1100
Hours: 365 days a year, emergency response 24/7
Phone No.:
Non-Emergency, College Issue.....(815) 921-4357
Non-Emergency, Police Issue.....(815) 921-2900
Emergency.....9-1-1
Website:RockValleyCollege.edu/RVCPD

The Rock Valley College Police Department (RVCPD) has the responsibility to contribute to a safe learning environment in which to work and pursue educational objectives.

Authority

The RVCPD is authorized by 110 ILCS 805/3-42.1. All Rock Valley College Police Officers have the same authority as city police and county sheriffs, including the power to arrest on sigh. RVCPD enforces all the laws of the state of Illinois, city of Rockford, and regulations of the college.

Identification

Every RVCPD officer is issued a badge and carries a photo identification card.

Services

RVCPD provides many services to the RVC community including, but not limited to, the following:
• Police Patrol
• Criminal and Traffic Law Enforcement
• Criminal and Non-Criminal Investigations
• Emergency First Aid Response
• Parking Enforcement
• Traffic Control
• Special Event Security
• Fire and Safety Inspections
• Community Services - including Crime Prevention Education, Personal Safety Presentations
• Public Assistance - including Vehicle Assistance and Building Access
• Safe Walk Program

Emergency Call Boxes and Emergency Telephones

Emergency Call Boxes and Emergency Telephones are located around campuses, walkways, and in buildings, including the RVC Main Campus, Bell School Road Center (BELL), Stenstrom Center (SCCE), Advanced Technology Center (ATC), and the Aviation Career Education Center (ACEC). In the event of an emergency, using these boxes and telephones will put you in touch with trained personnel.
There are call boxes located throughout.

Safe Walk Program

The Safe Walk Program is provided to any individual on campus that, for reasons of personal security, would like an officer to walk with them to and from their vehicles or between buildings. This service is available to all students, staff, faculty, and visitors to campus. Call (815) 921-4357 to request a police officer's assistance. Please note: officers are unable to provide rides from one location to another.

Campus Parking

Parking permits are required in designated areas and gated lots. Parking permits are available only to Rock Valley College staff and faculty. Parking in these areas without a permit may result in a fine.

All other parking areas on campus are "open parking" areas, unless otherwise marked. All of the roadways are considered to be fire lanes, and parking is prohibited. No parking is allowed on the campus sidewalks or along the side of any campus road. All vehicles must be parked in designated parking areas and vehicles must be within the painted parking lines. You are responsible for observing appropriate parking regulations. Violations may result in a fine.

Overnight parking is not permitted. Vehicles left overnight, without special permission from the Rock Valley College Police Department, are subject to a fine and possible tow.

Parking Violations

Anyone parking on campus must observe RVC parking regulations and obey all signage. If you receive a parking ticket, you may pay your fine at our Accounts Receivable Department located in the Student Center. If you wish to dispute your ticket, you have the right to appeal within 90 days from the date on the ticket. Appeal forms are available online at: RockValleyCollege.edu/Appeal.

Handicapped Parking

If you need temporary handicapped parking on campus, visit the Disability Services department located in the Student Center (ground floor) to begin the process of receiving a temporary permit. Temporary permits must be submitted with a doctor's authorization and cannot exceed 90 days. Temporary permits are valid only on RVC campuses.

Anyone parking in a handicapped parking spot without proper plates or displaying a placard is subject to fines up to $250.00. The use of a placard or plates when the authorized user is not present and entering or exiting the vehicle is illegal and subject to fines up to $600.00. Illegal use may also result in revocation of the placard or plate and possible loss of driving privileges.

Campus Speed Limits

To ensure safety, 20 mph speed limit signs are posted and enforce by RVCPD throughout ALL campus roadways. The speed limit in ALL campus parking lots is 10 mph. Violators are subject to receipt of a state citation with a fine indicated by Illinois state law.

Smoking on Campus

Smoking is prohibited on campus. Violators are subject to a fine indicated by Illinois state law.

Severe Weather

RVC has established a liaison with the Winnebago County Emergency Services and Disaster Agency to be placed in the emergency warning network. Established plans have been given to staff and faculty members, and during severe weather warnings, you should follow their instructions and the instructions of the RVCPD. The ground floor, interior classrooms, stairwells, and restrooms will give you the best protection. Avoid corridors, windows, and roofs with long spans. Designated Severe Weather Areas are marked with signs.

Crime Stoppers

The Rockford Crime Stoppers program can be contacted at (815) 963-7867 to provide information on a crime. You do not have to leave your name to provide information on a crime. If the crime is an ongoing emergency, call 9-1-1.

Campus Sex Crime Prevention Act

This law requires the tracking of registered sex offenders enrolled at or employed by institutions of higher education. This is in conjunction with the federal law enacted on October 28, 2000.

The act amends the Jacob Wetterling Crimes Against Children Act and Sexually Violent Offender Registration Act to require sex offenders already required to register in a state to provide notice, as required under state law, of each institution of higher education in that state at which the person is employed, carries on a vocation, or is a student. Sex offenders who fail to register their status as a student or employee at an institution of higher education are in violation of the registration act and face arrest.

This act also amends the Jeanne Clery Act to require institutions of higher education to issue a statement, in addition to other disclosures required under that act, advising the campus community where law enforcement agency information provided by a state concerning registered sex offenders may be obtained.

The Illinois State Police provides a listing of sex offenders required to register in the state of Illinois. The database is updated daily and can be found at the following website: ISP.Illinois.Gov/sor.

Lastly, the act amends the Family Educational Rights and privacy Act of 1974 (FERPA) to clarify that nothing in the act may be construed to prohibit an educational institution from disclosing information provided to the institution concerning registered sex offenders; and requires the Secretary of Education to take the appropriate steps to notify educational institutions that disclosure of this information is permitted.

Registered Sex Offenders at RVC

The Rock Valley College Police Department also maintains a "Sex Offender List" which documents all known Sex Offenders who are students and/or employees at Rock Valley College. This Sex Offender List is available for viewing at: the Rock Valley College Police Department in the Support Services Building (SSB), the Student Center Information Desk, and at the main office at our RVC Downtown location. The Registered Sex Offender process is managed by the RVC Police Department and the Dean of Students Office. This mandate applies to al RVC courses including General Education Development (GED) (formerly High School

Equivalency/HSE), English as a Second Language (ESL), Adult Basic Education (ABE), and Community/Continuing Education (CCE). This also applies to students registered as part-time (less than 12 credit hours) and enrolled students of collaborative and partnership programs.

Annual Security Report

This report includes statistics for the previous three (3) years concerning reported crimes that occurred on campus; in certain off-campus buildings or property owned or controlled by Rock Valley College; an d on public property within, or immediately adjacent to and accessible from, the campus. The report also includes institutional policies concerning campus security, such as alcohol and drug use, crime prevention, the reporting of crimes, sexual assault, and other matters.

The complete report is available at: RockValleyCollege.edu/PublicSafety. You may also request a paper copy of this report by contacting the RVCPD at (815) 921-4357 or visiting us in the Support Services Building (SSB) on Main Campus.

Registered Sex Offender - RVC Police Department Requirements

The sex offender must register with Rockford Police Department (RPD) and the Rock Valley College Police Department (RVCPD). You are required to meet once per year with RVCPD unless your student status changes (full-time to part-time, no longer a student, re-enrolling after dropping out, etc.).

If your status changes, you must inform RVCPD and re-register with both RPD and RVCPD. In addition, if you add, drop, or withdraw from courses anytime, you must contact RVCPD by calling (815) 921-4357.

Finally, you must complete sex offender registration paperwork with the Rock Valley College Police Department within three (3) days of enrollment.

Registered Sex Offender - Dean of Students Office Expectations

In addition, all students who are Registered Sex Offenders enrolled in RVC courses(s) are to meet with the Dean of Students, or their designee, each semester. You must meet prior to the beginning of each semester enrolled, complete and comply with the Expectation Sheet, and inform the Dean of Students Office of any change in schedule or enrollment status.

After you have met with the RVCPD, call the Dean of Students Office at (815) 921-4281 to schedule an appointment. Finally, all students are to be treated fairly and without discrimination. If you believe you are being subject to unfair treatment or experiencing harassment based on your status, please contact our office.

Student Engagement

Rock Valley College is committed to helping its students be successful. To this end, the college provides a variety of activities and services for students. Please review the following to become familiar with how we can help students meet their goals.

Student Life

(815) 921-4183/4118

Student Life Mission Statement: Student Life exists to connect, engage, and develop Rock Valley College students in a supportive environment through positive leadership, and community building opportunities, while serving as a bridge to their future accomplishments.

Did you know that the more involved college students are in the academic and social aspects of campus life, they benefit more in terms of learning and personal development? Student Life is here to support you enhance your academic experience with various opportunities to help you get and stay engaged outside of the classroom. Our office is located on the first floor of the Student Center and while at Rock Valley College, we encourage you to: LIVE • LEARN • LEAD.

Student Clubs & Organizations

(815) 921-4184

One of the easiest ways to get and stay involved is to join an organization on campus. There are over 20 organizations from which to choose. Joining one is as easy as stopping by Student Life, giving us a call or visiting our ENGAGE website. You can start a brand new club in just a few easy steps. It's just that simple.

For a list of current active student clubs and organizations, please go to: RockValleyCollege.edu/Clubs.

Phi Theta Kappa Honors Society

Phi Theta Kappa, the official honor society of two-year colleges, serves to recognize and encourage the academic achievement of two-year college students and provide opportunities for individual growth and development through academic, leadership, and service programming.

Rock Valley College's Phi Theta Kappa chapter is called "Omicron Eta" and inducts about 100 students each fall and spring semester. In order to be inducted, students must have completed at least 12 college credits and have earned a minimum of a 3.5 cumulative GPA. Moreover, students must be enrolled at RVC during the semester they are inducted.

In addition to being the honor society, Omicron Eta is an active student organization on campus and is open to all RVC students. For more information, visit: www.PTK.org or go to: RockValleyCollege.edu/Engage and search for Phi Theta Kappa or call (815) 921-4104.

Student Lounge on the Main Campus

(815) 921-4184

The lounge is located on the first floor of the Student Center (SC), across from the First Year Experience office. It includes seating with a big screen TV, a ping-pong table, and more. We also host spur-of- the-moment activities to promote community, free discussion, and ESports activities. It's a great place to hang out with other students when in-between classes or grabbing a bite to eat. It is also available for reservation as are the HUB, and the Student Life Organizations Room.

ENGAGE

Your link to what is happening at RVC!
Visit our web page at: RockValleyCollege.edu/Engage where you can:

- View events
- Join a student organization
- Meet other students
- Create a profile

Student Government Association (SGA)

(815) 921-4185/4188

Purpose Statement: “To support and advocate for the students at Rock Valley College through service, leadership and civic engagement.”

The Student Government Association (SGA) is a body of students elected by their peers to serve as their voice on campus, to address student needs and interests on matters of the college and community. SGA promotes students involvement and seeks to improve their general welfare.

Campus Activities Board (CAB)

(815) 921-4189/4178

Purpose Statement: “To provide educational and fun activities in order to produce an atmosphere of community at Rock Valley College.”

The Campus Activities Board (CAB) is comprised of students (officers and members) who are in charge of making sure that the campus comes alive with fun, exciting, diverse, quality entertainment and enrichment all year long. Bands, magicians, comedians, poets, speakers, hypnotists and game shows – if you can name it, chances are it has been here or will be in the near future! Follow the brightly colored posters with the CAB logo to attend and participate in all that the board has planned for the community at Rock Valley College.

Rights & Responsibilities

The RVC campuses are a collegiate society with rules and regulations that respect and protect the rights of both individuals and the campus community. The following policies and procedures establish both the rights and the responsibilities of Rock Valley College students. Students are expected to know and adhere to RVC policies, regulations, rules, and the Student Code of Conduct which are available in the RVC Student Handbook.

This College Catalog should not be construed as constituting a contract between the college and any person. The college reserves the right to modify its policies.

A complete copy of each policy or procedure and the Student Code of Conduct is available in the RVC Student Handbook. The RVC Student Handbook is available on the RVC website: RockValleyCollege.edu/ StudentHandbook. Questions regarding the Handbook may be directed to the Dean of Students Office.

Academic Integrity

Honesty statement: the faculty and administration expect that RVC students are enrolled in courses as serious and honorable scholars. Furthermore, students are expected to do their own original work, except when collaboration on projects is directed by faculty as part of the course or specific assignment. Students are expected to observe the commonly accepted standards of academic honesty at all times. Students who commit any of the forms of academic dishonesty (plagiarism, cheating by copying, dishonest collaboration, or fabrication) as outlined in the Academic Integrity Standards and Procedures found in the RVC Student Handbook are subject to penalties and sanctions.

Attendance Requirement

Students are expected to attend every class meeting. There is no college policy permitting absences. Each faculty member will decide when and how absences affect grades.

Children On Campus

For the safety of children on campus, children may not accompany students to class, tutoring or testing sessions. Also, children may not be left unattended on the campus grounds, whether in college buildings, extension centers, or at any college event.

Discipline Procedures

The Rock Valley College Dean of Students Office has the right to impose disciplinary sanctions and/or corrective actions for a student found responsible of violating the RVC Student Code of Conduct, college regulations, and/or college policies. Students may also be subject to civil or criminal penalties as appropriate.

Drug Free Schools & Communities Amendment Act

Rock Valley College complies with the Federal Drug-Free and Communities Act as articulated in the Education Department General Administrative Regulations (EDGAR) Part 86. RVC students receive an annual notice that outlines; standards of conduct, possible legal sanctions and penalties, statements of health risks associated with Alcohol or Drug Abuse, Prevention programs available, and college disciplinary sanctions for violations of standards of conduct. The college seeks to improve the campus atmosphere by eliminating drugs and alcohol on the campus, except where liquor permits have been procured or alcohol is utilized for instructional purposes.

Pregnant & Parenting Student Act

In June 2013, the Office of Civil Rights, within the Department of Education, issued a “Dear Colleague letter” that indicated it is illegal for schools to exclude a pregnant student from participating in any part of an educational program.

Please refer to the RVC Student Handbook for the entire RVC policy go to: RockValleyCollege.edu/StudentHandbook.

Procedure for Resolution of Student Complaints

Students may encounter problems during their course of study at RVC that may require review by appropriate administrative or academic personnel. The college has established procedures. Questions or guidance regarding these procedures should be directed to the Dean of Students Office, (815) 921-4281. The procedures are also available in the RVC Student Handbook. Please reference

the Dean of Students' website (RockValleyCollege.edu/DeanOfStudents) for Student Complaint FAQ.

Preventing Sexual Violence in Higher Education Act

Effective August 1, 2016, the Preventing Sexual Violence in Higher Education Act applies to all Illinois higher education institutions. The new law imposes a number of requirements on higher education institutions related to their policies, procedures, provision of services, and responses to sexual violence on campus between students. While most of the Act's requirements mirror the federal law requirements under Title IX of the Education Amendments of 1972 and the Jeanne Clery Disclosure of Campus Security Policy and Campus Crime Statistics Act, the new Illinois law also places several additional requirements on public universities, public community colleges, and independent not- for-profit or for-profit higher education institutions. Please see the RVC Student Handbook for additional information, policies, and procedures.

Registered Sex Offender List

The Rock Valley College Police Department (RVCPD) maintains a registered sex offender list, which identifies all known registered sex offenders who are currently enrolled as students or employees at Rock Valley College. Illinois state law requires all institutions of higher education to make registered sex offender information available to anyone who requests it.

This registered sex offender list is available for viewing, on the Main Campus, at the RVCPD office in the Support Services Building (SSB), Room 1100 and at the Welcome (Information) Center on the first floor of the Student Center (SC); the Workforce Development office on North Main Street; and the Rock Valley College Downtown (RVCD) location. Registered sex offenders who fail to register their status as a student or employee at an institution of higher education are in violation of the Sex Offender Registration Act, which is a Class 3 Felony, and may be arrested. In addition to registering with the RVCPD, registered sex offenders must also meet with the Dean of Students or designee prior to the beginning of each semester they enroll.

This mandate applies to all RVC courses including General Education Development (GED) (formerly High School Equivalency/HSE), English as a Second Language (ESL), Adult Basic Education (ABE), and Community/ Continuing Education; and also to students registered as part-time status (less than 12 credit hours) and enrolled students of collaborative and partnership programs.

Section 504 and ADA

In accordance with the Americans with Disabilities Act of 1990 (ADA), ADA Amendments Act of 2008, and the Rehabilitation Act of 1973, (Section 504), Rock Valley College has adopted an internal grievance procedure providing for prompt and equitable resolution of complaints alleging any action prohibited by the US Department of Justice regulations implementing Title II of the Americans with Disabilities Act. Title II states, in part, that "no otherwise qualified disabled individual shall, solely by reason of such disability, be excluded from the participation in, be denied the benefits of, or be subjected to discrimination" in programs or activities sponsored by a public entity. The process for filing a grievance can be found in the *RVC Student Handbook*.

Student Assembly Policy

Although students are welcome to gather to express and discuss ideas, all such assemblies must be held in accordance with the policy on student assembly. This information is available in the RVC Student Handbook.

Family Educational Rights & Privacy Act (FERPA)

The following notice and information is given by Rock Valley College, District 511, to advise students of their rights under the Family Educational Rights and Privacy Act of 1974 (The Act). Rock Valley College has implemented policies and procedures implementing the Act. The Act established the right of students to inspect and review their educational records; provides that personally identifiable information will not, with certain exceptions, be disclosed without the student's written permission; provides guidelines for correction of inaccurate or misleading data through informal or formal hearings; grants students the right to file complaints with the Family Compliance Office concerning failures of the college to comply with the Act; and makes provisions for notice to the students concerning those rights.

Students who wish to review their education records must complete the appropriate form and submit it to the Registrar. Students will
be notified in writing of the date and time they may review

the records. The following student data is hereby designated as Directory Information and such information may be disclosed or released by the college for any purpose and at its discretion: student name, dates of attendance, part-time/full-time enrollment status, degrees/certificates earned, awards received, officially recognized activities, weights and heights of members of athletic teams, and student e-mail addresses. To have directory information withheld, the student must give written notice to the Registrar by the tenth day of each semester for which the student is enrolled.

A student may give permission to a parent, guardian, or other individual to review their record. A FERPA waiver form is available in the Records and Registration office.

Contact the Registrar at (815) 921-4267 for FERPA related questions.

Mental Health Act (MHA)

Pursuant to Illinois' Student Optional Disclosure of Private Mental Health Information Act, a student has the right to authorize the College, in writing, to disclose his or her private mental health information to a person of the student's choosing. For additional information, please contact the Records and Registration Office on the second floor of the Student Center. Please be advised that, consistent with the Family Educational Rights and Privacy Act, 20 U.S.C. § 1232g and its regulations at 34 CFR § 99.36, the College may disclose a student's private information to persons who need to know that information in the event of or to avert a health or safety emergency, even if those persons have not been designated by the student on his or her Student Optional Disclosure of Private Mental Health Information Act.

In conjunction with FERPA and RVC policy, students will have the written opportunity to authorize the disclosure of certain private mental health information to a designated person of their choosing by completing and filing a FERPA Form which includes the Mental Health Act Disclosure. This policy allows you to designate a person(s) to whom RVC may disclose certain private mental health information.

RVC will contact the person(s) of choice if RVC's Personal Counseling Services determines that you pose a clear danger to yourself or to others and/or protection is needed for you or another person from a clear, imminent risk of serious mental or physical injury, disease or death.

Student Right-To-Know Information

Student Right to Know refers to federally-mandated public disclosure of specified consumer statistics of institutional effectiveness. The Student Right to Know and Campus Security Act (P.L. 101-542) requires higher education institutions receiving federal financial assistance to provide prospective and current students with the following information to help them make informed decisions about the educational benefits available: Graduation, Transfer, and Retention Rates, Campus Security, and other consumer information.

A complete list is available on the RVC web page: RockValleyCollege.edu/StudentRightToKnow.

Sexual & Other Harassment Policy

Rock Valley College is committed to providing an educational environment that is free from all forms of harassment as defined and otherwise prohibited by state and federal law. It is the policy of Rock Valley College that sexual harassment or any other form of harassment of a student by another student, an employee, or a third party, is prohibited and will not be tolerated. Any student or employee who is found after appropriate investigation to have violated this policy will be subject to disciplinary action,
up to and including expulsion or termination.

Students who feel they have been a victim of harassment of any type, by another student, an employee, or third party, may contact:

Rock Valley College
Title IX Coordinator/Dean of Students Terrica Huntley
(815) 921-4187
T.Huntley@RockValleyCollege.edu
Student Center, Second Floor, Room 2130
3301 N. Mulford Road, Rockford, IL 61114-5699

Adult & Developmental Education

Adult Education

(815) 921-2000
Rock Valley College Downtown (RVCD)
99 E. State Street, second floor (in the Rockford Register Star building)
Website: RockValleyCollege.edu/AdultEd

Whether students want to earn a General Education Development (GED)/High School Equivalency (HSE), polish basic skills to prepare for a career, or improve English-language skills, there's something for students at Rock Valley College Adult Education. We have programs that will position students for success, regardless of experience level.

• **Adult Education Bridge Programs**
– Bridge to Careers
– Bridge to Information Technology
– Academic ESL Bridge to College and Careers
• English as a Second Language (ESL)
Improve listening, speaking, reading, and writing skills at no cost to the Student. Classes range from providing basic language skills for beginners to helping advanced students prepare for higher education, further training, or a career.

• **General Education Development (GED)/High School Equivalency (HSE)** Strengthen basic reading, writing, and math skills at no cost to the student. GED / HSE classes help advanced students prepare for higher education and improve readiness for GED / HSE testing in the following content areas: Reasoning for Language Arts, Social Studies, Science, and Math.

• **Integrated Career & Academic Preparation System (ICAPS)** Pursue a GED / HSE or advanced ESL training while earning a certificate. ICAPS provides free academic support and guidance while preparing students for employment in high-demand fields such as:
– Information Technology
– Industrial Welding
– Mechatronics
– Medical Administrative Assistant
– Medical Billing & Coding
– Pharmacy Technician

WIOA/Employment Grants

(815) 921-2200
Located: North Main Street Center (NMST)
303 N. Main Street (in the Supply Core Building)
Website: RockValleyCollege.edu/Refugee

RVC's Workforce Development is a partner-agency of Illinois' The Workforce Connection, a 17-partner program that provides "employment-based" services to qualified individuals and eligibility criteria is program specific.

Workforce Development provides one contact for employers to find workers AND for job-seekers to receive training, education, and employment services. Services generally assist eligible job-seekers with: career testing and counseling, job readiness skills, job search assistance, on-the-job training opportunities, and financial assistance for vocational training.

• **Adult and Dislocated Workers Program**
Services designed to meet the workforce needs of area businesses and get workers back to work as quickly as possible. The Adult and Dislocated Workers Program helps employers through customized training programs and an incentive-based on-the-job training program. Unemployed workers can benefit from: workshops, career planning and counseling, job search training and referrals, and on-the-job training with local employers.

• **Refugee & Immigrant Services**
Services for adjustment and employment for refugees and immigrants from the northern 10 counties in Illinois. Business Services Coordinators and staff work with employers who have found great success hiring refugees and immigrants through this program.

Transfer Degrees

Planning For Success

Transfer Planning

By carefully constructing an educational plan, students can select Rock Valley College courses for transfer to a variety of four-year colleges and universities. When a student has selected a transfer school, it is important that the student review that institution's specific admission and course requirements. Transfer information can be obtained in the Academic, Career, and Transfer Advising Office.

STU 100 – Planning for Success

The STU 100 - Planning for Success course is required for all new students intending to pursue an A.A., A.S., or A.E.S. This one-credit course is transferable to four-year colleges and universities and will apply towards graduation at RVC. Students are strongly encouraged to take this course in their first or second semester.

Although recommended for students seeking an Associate in Applied Science (A.A.S.) degree or for certificate-seeking students, it is not a requirement.

Specific Requirements for A.A. & A.S. Degrees (p. 74)

Rock Valley College, like most other Illinois community colleges, has additional, specific degree requirements for the Associate of Arts (A.A.) transfer degree, and other requirements for the Associate in Science (A.S.) transfer degree; these are described in detail on the Planning for Success - Education Plan (p. 74) page of this College Catalog.

Majors & Elective Courses

At Rock Valley College, 16-20 elective credits for the Associate of Arts (A.A.) degree and 15-18 credits for the Associate in Science (A.S.) degree may be used by students to explore a particular field of study or major.

Students should schedule an appointment to meet with an advisor to discuss course selection.

Students should also consult: iTransfer.org for up-to-date listings of Rock Valley College courses which will count in the majors at other Illinois colleges and universities.

Diversity & Non-Western Culture Courses

Some transfer institutions require a diversity or Non-Western course in their general education requirements. Students are encouraged to complete any diversity or Non-Western culture courses required by their intended transfer institution as part of their general education core at Rock Valley College.

Illinois Articulation Initiative (IAI)

Rock Valley College is a participant in the Illinois Articulation Initiative (IAI), a statewide articulation effort to help Illinois college students transfer credit more easily between more than 100 participating Illinois colleges and universities. One of the main features of the IAI is the General Education Core Curriculum (GECC) which is a list of general education courses that have been articulated statewide and will be accepted for transfer by all participating colleges and universities in Illinois.

Completion of the GECC at any participating institution in Illinois assures transferring students that general education requirements for an Associate of Arts have been satisfied upon transfer to another participating institution. Students who wish to transfer to four-year colleges and universities are advised to complete an Associate Degree. Keep in mind, the IAI General Education transfers as a "package." Course-to-course transfer credit is not guaranteed.

Students who have 30 semester credits of college-level coursework can transfer to an IAI participating institution and have the option of completing the institution's lower-division general education requirements, or complete the IAI GECC. The receiving institution may require transfer students to complete institution-wide and/or mission related graduation requirements beyond the scope of the IAI GECC.

The IAI is a powerful tool for students. General and detailed information about the IAI as well as the most current list of participating schools can be found online at: iTransfer.org.

General Education Core Curriculum (GECC)

The requirements for an Associate Degree (A.A. or A.S.) at Rock Valley College consists of a minimum of 64 credit hours taken from three components:

1. General education core curriculum74
2. Additional degree requirements74
3. Baccalaureate-oriented courses taken in the major/minor, and electives

The IAI GECC of 37-41 credits for an Associate of Arts, or 31-35 credits for an Associate in Science, consists of courses that colleges and universities consider essential for students' success in college and life. The GECC requires study in the following areas:

ASSOCIATE OF ARTS
Communications.....9 credits
Mathematics.....3-6 credits
Physical and Life Sciences.....7-8 credits
Humanities and Fine Arts.....9 credits
Social Sciences.....9 credits

ASSOCIATE IN SCIENCE
Communications.....9 credits
Mathematics.....3-6 credits
Physical and Life Sciences .....7-8 credits
Humanities and Fine Arts.....6 credits
Social Science.....6 credits
POST-TRANSFER.....6 credits

Courses taken at either the Transfer Institution or taken at RVC: one course from Humanities or Fine Arts and one course from Social and Behavioral Sciences.

RVC Education Guarantee Program

University Transfer Guarantee

Rock Valley College guarantees that courses approved for transfer to another college will be honored either as program requirements or electives. If transfer courses are not accepted after all provisions of the University Transfer Credit Guarantee are followed, the college will allow the student to take additional Rock Valley College courses up to the number of credits not transferred without charge for tuition and fees.

EACH STUDENT IS RESPONSIBLE FOR GRADUATION REQUIREMENTS:

- Complete a minimum of 64 credit hours of 100 level courses or above that also meet the requirements of the General Education Core Curriculum.
- Achieve a cumulative 2.0 (C) GPA in all 100/200 level courses attempted at Rock Valley College.
- Meet residency requirements by earning a minimum of 15 semester hours of 100/200 level at Rock Valley College.

Students must submit an application for graduation approved by an Academic Advisor to the Records and Registration Office, on second floor of Student Center, by the dates listed below.

March 1 – Last day to apply for Spring graduation

June 1 –Last day to apply for Summer graduation

October 1 – Last day to apply for Fall graduation

Transferring

About Transferring

Students who earn the Associate of Arts or Associate in Science (A.A. or A.S.) degrees at Rock Valley College before transferring may be granted junior standing by many baccalaureate institutions considering the general education requirements are completed. Transfer students should check early with their transfer institutions and advisors to ensure they are meeting ALL requirements specific to each individual institution. A few colleges/universities may do a course-by-course examination of work from Rock Valley College, and could expect students to complete some general education courses at their institution. Students should work together with Academic and Transfer Advisors, Career Services, or Career & Technical Education Faculty along with transfer institutions to build a transfer degree program appropriate for them. As a general rule, earning an A.A. or A.S. degree is an excellent strategy for transfer.

Students who decide to transfer to another college in Illinois before they earn an A.A. or A.S. degree will find that IAI-approved courses will be accepted by most baccalaureate institutions. Transferring without completing the general education core curriculum may mean that students must complete the general education requirements at the four-year institution.

Transferring from RVC

The Academic, Career, and Transfer Advising Office at Rock Valley College offers information about transferring to baccalaureate institutions. For successful transfer, the following guidelines are recommended for all students who plan to transfer:

1. **Investigate** possible career paths at the Career Services, Advising, and Placement Office at (815) 921-4100, through labor market information and career interest surveys.

2. **Plan** RVC course selection with general education and introductory transfer courses in mind. The Academic, Career, and Transfer Advising Office, (815) 921-4100, can assist in course selection. Transfer guides for many baccalaureate institutions are available. Because transfer requirements change frequently, verify all transfer information directly with the college/university. For more information, go to:RockValleyCollege.edu/Transcripts.

3. **Review** examples of transfer program course guides available in various department offices and/or on the college website.

4. **Visit** the Academic, Career, and Transfer Advising Office, (815) 921-4100, to see available resources: internet access, college- career search programs, applications, college catalogs, and more.

5. **Research** possible colleges/universities' academic programs, entrance requirements, costs, deadlines for applications and transcript submission, and housing requirements.

6. **Study** since admittance to a college/university is based in part on the Rock Valley College grade point average (GPA) – it pays to study. Many students are competing for limited seats in popular areas of study; your GPA can either limit or broaden career options.

7. **Visit** campuses as time and resources permit. Virtual tours are available on the Internet. Many college representatives also come to campus for "College Night" and throughout the year. The "college visit schedule" is available at the Academic, Career, and Transfer Advising Office web page.

8. **Apply** for graduation at Records and Registration at the beginning of your last semester at Rock Valley College. Even students who are not planning to attend the graduation ceremony need to apply for graduation.

9. When applying, **send** the RVC transcript to the transfer institution via Online Services at: RockValleyCollege.edu/Transcripts. Request transcript to be sent after each semester a grade is posted at RVC.

NIU & RVC Engineering Partnership

Rockford-area companies need local talent to fill a growing number of skilled jobs in engineering and technology. Business leaders and the community are putting their support behind NIU Engineering at RVC, a revolutionary new program that began in Fall 2016 that lets you earn a Northern Illinois University (NIU) bachelor's degree while attending Rock Valley College (RVC).

Students who earn their Associate Degree in Engineering Science (AES) or Associate of Science (AS), along with the appropriate prerequisite courses, are able to earn a B.S. in Mechanical Engineering from NIU without having to leave the RVC main campus. Area businesses provide internship opportunities, mentoring, and interviews for job openings.

Similarly, students who earn their Associate of Applied Science (AAS) with appropriate prerequisite courses can earn a B.S. in Technology with emphasis in Applied Manufacturing Technology online from NIU. Students take RVC classes during their first two years of the program and then a combination of RVC classes and NIU classes online during the second two years.

For more information, please visit: RockValleyCollege.edu/RVCNIU

Guaranteed Admission Agreement

Northern Illinois University and the University of Illinois at Urbana-Champaign offer guaranteed admission to eligible RVC students. Students must meet minimum credit completion and GPA requirements to be considered for guaranteed admission pathways. These guaranteed admission programs guarantee admission to the university, not to limited admission or competitive programs, such as nursing.

For more information, contact the Academic, Career, and Transfer Advising Office at (815) 921-4100.

Rockford Ready Agreements

Rock Valley College and Rockford University have partnered to offer degree completion programs for students who complete an A.A.S. degree at RVC and then transfer to Rockford University to complete a Bachelor of Science in Management Studies (BSMS). Traditionally, an A.A.S. degree does not transfer, but this program allows students to transfer career- focused degrees, such as an A.A.S. in Business Administration, into the program. Upon completion of the A.A.S. degree, students can earn their bachelor's degree in as little as 24 months through a combination of hybrid and online courses.

A similar agreement would allow students who graduate with an A.A.S. in Computer Science from Rock Valley College to transfer to Rockford University to earn a Bachelor of Science in Computer Science with an emphasis in Management Information Systems.

Reverse Transfer Credit

Reverse transfer credit is a program designed for students who attended a community college and then transferred to a university without earning their associate's degree. Credits successfully completed at a university may be transferable back to your community college and used to determine if these courses will satisfy any remaining degree requirements for your associate's degree. This is similar to the process on how credits transferred from your community college to a university – just in reverse. The community college will evaluate your university work and determine if credits taken at the University will fulfill any and all remaining requirements for your associate's degree. All Illinois public universities and Rockford University participate in this partnership with Rock Valley College.

Baccalaureate Completion / Transfer Agreement

In addition to the Illinois Articulation Initiative (IAI) with the state universities for students who complete transfer degrees at Rock Valley College, the college also has written agreements with several baccalaureate completion institutions. It is the transfer students' responsibility to ensure that all course requirements are met by communicating with the chosen four-year institution prior to transferring. Students may also contact these institutions for more information about how they can finish their degree without leaving the Rock Valley College district.

Call the Academic, Career, and Transfer Advising Office at (815) 921-4100 for more information.

American InterContinental University
Career Education Corporation
Website: AIUniv.edu/Admissions/Documents-And-Resources
Attn: Educational Alliance Center
231 N. Martingale Road, Schaumburg, IL 60173
(855) 377-1888
- Bachelor of Accounting
- Bachelor of Business Administration
- Bachelor of Information Technology
- Bachelor of Science in Criminal Justice

Bellevue University
Website: Bellevue.edu/Community-College/index.aspx
Community College Partnerships
1000 Galvin Road South, Bellevue, NE 68005
(800) 756-7920

Beloit College
Website: Beloit.edu
(608) 363-2000
700 College Street, Beloit, WI 53511
Guaranteed Transfer Admission

Columbia College
Website: ccis.edu
1001 Rogers Street, Columbia, MO 65216
(573) 875-8700 or (800) 231-2391

Embry-Riddle Aeronautical University-Worldwide
Website: ERAU.edu/Rockford
E-mail: Chicago.rockford.center@erau.edu
- Aviation Management

Franklin University/Online Campus
Website: Alliance.Franklin.edu
Columbus, OH
(888) 341-6237
- Business Administration
- Computer Science
- Health Services Administration
- Management Information System
- Public Safety Management
- Technical Administration

George Williams College-Aurora University
Website: Aurora.edu/GWC
350 Constance Boulevard, Williams Bay, WI 53191
(262) 245-8587
- Business
- Recreation
- Special Education

Governors State University
Website: GovSt.edu/
Website: GovSt.edu/cas
One University Parkway, Office of Admission
University Park, IL 60484 | (708) 534-4490
E-mail: gapply@GovSt.edu
B.A. in Communication with a Filmmaking and Multimedia Concentration

Herzing University
Associate Degree Recognition
Herzing.edu
5218 East Terrace Drive, Madison, WI 53718
(800) 596-0724

Indiana Institute of Technology (Indiana Tech)
Baccalaureate degree completion programs for the Adult Learner
Website: Registrar.IndianaTech.edu/Transfer-Agreements
1600 East Washington Blvd., Fort Wayne, Indiana 46803
(800) 937-2448
- Bachelor of Science in Business Administration (BSBA)
  - Business Administration A.A.S.
- Bachelor of Science in Criminal Justice (BSCJ)
  - Criminal Justice A.A.S.
- Bachelor of Science in Child Development (BSCD)
  - Early Childhood Education A.A.S.
- Bachelor of Science in Emergency Response Management (BSERM)
  - Fire Science A.A.S.

Indiana Wesleyan University
Bachelor degree completion for Registered Nurses
Website: IndWes.edu
4201 S. Washington St., Marion, IN 46953
(765) 674-6901
- Nursing - R.N.-B.S.N. Completion Program

Judson University
Website: Judson.edu
Elgin, IL
(815) 399-3500 • (888) 537-6246
- Criminal Justice Management
- Human Services
- Human Resources Management
- Management and Leadership
- Management Technology Systems

Kaplan University
Website: cc.Kaplan.edu
(866) 583-4417
- Information Technology - Network Administration
  Business

National American University
Website: National.edu
Distance Learning
(800) 548-0602
- Applied Management
- Applied Information Technology

National Louis University
Website: NL.edu/t4/transfer/
Chicago, IL | (800) 443-5522
- Bachelor of Arts
- Bachelor of Science
- Applied Behavioral Science
- Early Childhood Education
- Elementary Education
- Healthcare Leadership
- Management
- Management Information Systems

Northern Illinois University - DeKalb, IL
Website: NIU.edu/OffCampusAcademics
(866) 885-1239 or call (800) 892-3050 for more information.
- Aviation Management Technology
- Business Administration
- Computer Science
- Homeland Security Certificates
- Industrial Management Technology
- Liberal Arts and Sciences
- Nursing - R.N.-B.S.N. Completion Program
- Health and Human Sciences
- Undergraduate and Graduate Certificate in Geographic Information Systems
- Bachelor of General Studies (B.G.S.)
- A.A.S. - Dental Hygiene
- A.A.S. - Fire Science
- A.A.S. - Respiratory Care
- Bachelor of Science in Kinesiology
- A.A.S. - Fitness, Wellness & Sport - Exercise Science track

In addition, offered at NIU-Rockford on East State Street:
- Business Administration Bachelor Degree

Offered by NIU on the RVC Main Campus:
- A.A.S. - Engineering & Technology
- B.S. - Applied Manufacturing Technology
- B.S. - Electrical Engineering
- B.S. - Mechanical Engineering

Olivet Nazarene University
School of Graduate and Continuing Studies
Website: Olivet.edu
One University Avenue, Bourbonnais, IL 60914-2345
(800) 648-1463 • (815) 939-5011
- Nursing - R.N.-B.S.N. Completion Program
- PURSUE ONU - RVC Associate Degree to **ONU Bachelor's Degree Program Completion**
- Criminal Justice
- Business Administration
- Applied Science in Management

Palmer College of Chiropractic
Website: Palmer.edu
Davenport, IA
(800) 722-3648
- Bachelor of Science in General Science

Rasmussen College
Website: Rasmussen.edu
6000 E. State Street, Fourth Floor, Rockford, IL 61108
(815) 316-4800
Online or On-Campus
- Business Administration

Rockford University
Website: Rockford.edu
5050 E. State Street, Rockford, IL 61108
(815) 226-4000
- Bachelor of Arts
- Bachelor of Arts in Computer Science
- Bachelor of Arts in Exercise Science
- Bachelor of Fine Arts
- Bachelor of Science
- Bachelor of Science in Accounting Studies
- Bachelor of Science in Management Studies
- Bachelor of Science in Nursing
- Bachelor of Science in Sports Management

Roosevelt University
College of Pharmacy
Website: Roosevelt.edu/Colleges/Pharmacy
1400 N. Roosevelt Blvd., Schaumburg, IL
(847) 619-7300
- Doctor of Pharmacy

Saint Anthony College of Nursing
Website: SACN.edu
3301 N. Mulford Road, Rockford, Illinois 61114
(815) 395-5091
- Bachelor of Science in Nursing
- RN - BSN Completion Program

Saint Leo University/Online Campus
Website: Online.SaintLeo.edu
Tampa, Florida
(888) 622-7344
- Accounting
- Business Administration
- Computer Information Systems

Southern Illinois University at Carbondale
Website: Aviation.SIUC.edu
Department of Aviation Management and Flight
College of Applied Sciences and Arts
Mailcode 6623, Carbondale, IL 62901-6623
(618) 453-8898 or (618) 453-1144
- Automotive Service Technology A.A.S. to Bachelor of Science in Automotive Technology
- Aviation Management
- Business A.A.S. to Bachelor of Science
- Dental Hygiene A.A.S. to Bachelor of Science
- Fire Science A.A.S. to Bachelor of Science
- Public Safety Management (PSM)

The University of Phoenix/Online Campus
Website: Phoenix.edu
(602) 387-7000
- Business/Accounting • Information Technology
- Business/Administration • Management
- Business/e-Business • Marketing
- Business/Management

Transfer Articulation Agreement (Online)
- Associate of Applied Science/Respiratory Care to Bachelor of Science/Respiratory Therapy

University of Illinois-Chicago
(Rockford Global Campus)
Website: Global.uillinois.edu
510 Devonshire, Suite H, Champaign, IL 61820
(866) 896-3939
Email: gcadvisor@uillinois.edu
- Bachelors of Business Administration (B.B.A.)
- Bachelors of Nursing (B.S.N.)
- RN-BSN Completion Program

University of Illinois - Springfield

Website: UIS.edu
Dual Admission
2+2 Agreement Opportunities

- Bachelor of Science - Criminal Justice, Computer Science, Political Science, & Social Work (2+2 agreement)

Online Bachelor Degrees in:

- Business Administration
- Economics
- English
- History
- Liberal Studies

University of Illinois at Urbana-Champaign

Website: Illinois.edu
Dual Admission
2 + 2 Agreement

University of Wisconsin Oshkosh

Website: uwosh.edu
800 Algoma Blvd., Oshkosh, WI 54901
(920) 424-1234
Articulation Course Agreement

- Aviation Maintenance Technology A.A.S to Bachelor of Applied Studies, Leadership and Organization Studies with Aviation Management Emphasis

Upper Iowa University - UIU Rockford

Website: UIU.edu/Transfer/RockValley
1161 Tebala Boulevard, Rockford, IL 61108
(800) 553-4150 • (815) 332-1414
E-mail: rockford@uiu.edu

- Course-to-Course Articulation Agreement

Western Illinois University

Website: WIU.edu/SES
Email: NP-BOT@WIU.edu
(309) 298-1929
Board of Trustees/Bachelor of Arts Degree (BOT/BA)
(Online degree program completion with no time limits)

Community Outreach

Community, Career, and Technical Education Outreach

Customized Training

(815) 921-2066

Through Customized Training, Rock Valley College offers training, consulting, and specialized resources that are designed to meet the needs of business and industry. Many of the workshops and trainings are held at any of the RVC locations; or on-site at your company/business.

Customized Training also offers on-site training sessions, customized training and programs in the following areas:
- Fanuc and KUKA Robotics Training
- Blueprint Reading
- Geometric Dimensioning & Tolerancing (GD&T) Training
- Leadership and Supervisor Training
- Computer Training
- Customer Service & Sales Training
- Quality and Safety Training

For more information visit: RockValleyCollege.edu/CustomizedTraining.

Truck Driver Training

(815) 921-2076

In just five (5) weeks you can be on the road to a new career! Our 200-hour truck driver training program combines classroom presentation with hands-on experience that leads to a Class A Commercial Driver's License.

Offices & classrooms located at Stenstrom Center, 4151 Samuelson Road.
For more information visit: RockValleyCollege.edu/TDT.

Put yourself in the driver's seat today!

For more information about the Truck Driver Training Program email: RVC-TDT@RockValleyCollege.edu.

TechWorks CNC Training

The Rock Valley College TechWorks programs offers students a customized curriculum in advanced manufacturing within the world of Computer Numerical Control (CNC). Located in the Winnebago County Jail, this program offers currently incarcerated individuals employable skills and certifications needed to advance within the machining industry. The 8-week curriculum begins with a week of job readiness coaching in resume building, workplace ethics/professionalism, and interviewing skills. Following that, the remaining 7 weeks include hands-on experience with CNC programming, set-up and operations and provides students the opportunity to receive 2 nationally recognized credentials from the National Institute for Metalworking Skills (NIMS).

Community Education Outreach

Rock Valley College offers non-credit programs and classes, for persons of all ages, whether obtaining a certificate, training, or professional development or seeking personal enrichment. Community and Continuing Education (CCE), Center for Learning in Retirement (CLR), and the Traffic Safety Program are managed within Community Education Outreach.

Traffic Safety

(815) 921-3940

The Rock Valley College Traffic Safety Program provides driver improvement training for a variety of individual, employer-supported, and court-supervised participants.

Supervision Program: The college joins regional courts, local governments, and law enforcement agencies to provide an educational option for minor traffic violations. Motorists who choose class instead of court can keep the violation off their public driving record, avoid higher insurance premiums, and learn effective defensive driving techniques. Classes are offered throughout the seven-county service region.

Employers: Workplace leaders committed to employee and workplace safety choose tailored courses. Participation in driver improvement programs can result in increased productivity, fewer accidents and lower insurance premiums. Classes are designed to coordinate with workplace schedules and locations.

Personal Interest: Individuals attend the program for personal interest and self-development.

For more information visit:
RockValleyCollege.edu/TrafficSafety –
located on the Main Campus, Classroom Building II, ground floor.

Community & Continuing Education (CCE)

(815) 921-3900

CCE strives to offer a large and varied selection of educational opportunities. Whether you are seeking personal enrichment or development, we have programs that will fit your busy lifestyle.
CCE offices are located on the Main Campus (3301 N. Mulford Road), on the first floor of Classroom Building II, in room 115.

Courses are offered at the Main Campus, Bell School Road Center, online, and many other convenient locations throughout its district.
For more information, please visit:
RockValleyCollege.edu/CCE.

Community Education

Encouraging life-long learning at any age!
Community Education offers courses that help you learn a new hobby or skill, enjoy leisure and recreational activities and benefit from personal enrichment experiences. Designed as non-credit courses, there are no entrance exams and no diploma requirements. We offer classes and workshops for all ages.

Highway Construction Careers Training Program (HCCTP)

During this FREE 14-week class, participants will engage in 450 hours of skilled trades preparation and apprenticeship readiness training with the goal of applying for and obtaining local union apprenticeship opportunities.

HCCTP is offered twice a year (Fall and Spring). The application process begins with signing up for a mandatory Information/Testing Session by visiting RockValleyCollege.edu/HCCTP.

For questions, contact the HCCTP Coordinator, Dawson Ingram, at (815) 921-3912 or D.Ingram2@RockValleyCollege.edu

Continuing Education

Enhance your skills, your career, your life!

Continuing Education offers courses and programs to help you upgrade your skills with non-degree credit, national certification and courses in business, skilled trades, healthcare, and technology areas. Designed as short-term, non-degree alternatives, these programs do not require an entrance exam for admission.
Note: Financial Aid does not apply to Continuing Education courses.

Whiz Kids

Challenging minds since 1980!
Whiz Kids classes are designed to provide enrichment activities for youth, cleverly disguised as fun, where students learn by doing and supporting each other in the learning process. Kids are inspired to try new things, build independence, gain social skills, face challenges, learn the value of work, and build character. Whiz Kids classes are taught by experienced educators who have a passion for inspiring kids.

The goal of Whiz Kids will always be the same. We are about making sure youth have the time of their lives and create ever-lasting memories. It's a much needed break from the rigor of the academic year, where we can make creativity, adventure, thrills, smiles, & plain old good times happen!

Center for Learning in Retirement (CLR)

The Center for Learning in Retirement is a membership organization, open to retired and semi-retired adults (age 50 and over), who enjoy intellectual stimulation and the opportunity to meet new friends. There are short-term courses, often led by members, covering a wide-range of topics, including art, computers, history, sciences, health and wellness, special interests, and more. There are no tests, no grades, and no homework!

Most classes are held at the Bell School Road Center (3350 N. Bell School Road, Rockford, IL 61114) on the southwest corner of Bell School and Spring Brook Roads. Some classes are offered online via Zoom each semester too. Looking for fun and adventure? There are day trips to museums, arboretums, art exhibits, and the theater, scheduled social events, and extended trips.

For more information concerning this exciting lifelong-learning opportunity, visit: RockValleyCollege.edu/CLR – or – call (815) 921-3931.

Theatre & Arts Park

The Theatre Department is always looking for more talented community members to join in the fun. Call the Box Office at (815) 921-2160 to find out how you can get involved!

Starlight Theatre

(815) 921-2160

In 1967, a group of Rock Valley College students wanted to bring their community to the Main Campus. They hoped to encourage the public to appreciate the beauty of their college's farm setting, and the students decided that the best way to accomplish this goal was to perform a musical nestled beside the beautiful farm pond. People from the community came out with their lawn chairs and watched the amazing production. That first show on Thursday, August 3, 1967 at 8:30 pm, *Finian's Rainbow*, was staged on the college lawn and was billed as Rockford's "first all-community musical."

Since the fall of 1967, RVC has brought affordable, outdoor, summer musical theatre to residents of the community.

Times have changed a bit since 1967. Now, audiences no longer bring their own chairs and blankets, but sit in its comfortable 1,041-seat bowl. But it's not just the venue that's grown. The past 54 summers, Starlight has become an integral part of the college's Community Outreach initiatives, not to mention a cornerstone of Rockford's summer community.

Today, the performance space is no longer a makeshift stage, but a genuine, state-of-the-art theatre, which a Chicago Tribune's architecture critic called "an engineering wonder." Bengt Sjostrom Theatre (BST) has since been built, remodeled, and remodeled again, most recently in 2002/2003 – designed by leading female architect and MacArthur fellowship recipient Jeanne Gang (from Belvidere, Illinois, who founded Studio Gang Architects – an architecture, interiors, and urbanism practice in Chicago and New York). An important enhancement for an outdoor summer theatre, Gang designed a one-of-a-kind articulated, 70-foot star-shaped roof that can be opened as audiences look up at the night sky, and closed during inclement weather. A constellation-themed ticket and control booth, and versatile stage house, makes BST truly unique, and the construction/design of the BST resulted in international recognition, as well as moved Rock Valley College into the forefront of leadership for community arts and entertainment.

Starlight Theatre is one of the nation's largest professionally-produced community theatres. This oldest, continuously operating theatre in Rockford, offers amateur actors, singers, and dancers an opportunity to work under the direction of professional artistic and technical directors. It attracts hundreds of volunteer performers and crew members (totaling over 24,546 people), where they have each given of themselves for our community's enrichment, and in the process have shared their joy of performing with audiences of nearly 40,000 each season and a total of more than 1,267,000 attendees over the years.

Starlight produces large-scale musicals with casts sometimes reaching into the hundreds! More than 140 shows have taken the Starlight stage, including: Sir Andrew Lloyd Weber's *The Phantom of the Opera* and *Joseph and the Amazing Technicolor Dreamcoat*, a new production of Boublil and Schönberg's *Les Misérables*, Disney's *Geppetto & Son*, *Beauty & the Beast*, *Jesus Christ Superstar*, and many more!

Starlight also boasts a distinguished roster of alums including some of the nation's most gifted performers and technicians: Rockford's New American Theatre founder J. R. Sullivan; Broadway star and voice of Walt Disney's *The Little Mermaid*, Jodi Mazorrati Benson; the late, great Marin Mazzie; Art Director of *Hollywood's How The Grinch Stole Christmas*, Dan Webster; Chairman of NBC Entertainment, Bob Greenblatt; and Broadway Director and Star, Joe Mantello; among many others.

In the future Starlight will be expanding their season beyond four summer musical productions. In the summer of 2018 Starlight launched its new "Starlittle" series. Every year, at the end of the regular Starlight season, Starlight puts on a family production for children and adults of all ages to enjoy together. Starlittle shows feature adult actors preforming for children, something that is unique in the Rockford theatre community. Starlittle's first show, *Cinderella After the Ball*, was a smash hit, and hundreds of young children came and experienced their first live theatre performance.

In the fall of 2018, Starlight launched two more theatre series. The first of these, "Starlight Shakes," is an outdoor Shakespeare production that takes place on the lawn of the Rock Valley College campus. *The Taming of the Shrew* was Starlight Shakes' first production, and students and community members from all over brought their lawn chairs and blankets to watch a show on the Ray Castle

Stage, a stage designed to be set up and torn down anywhere on campus.

A Charlie Brown Christmas was the launch of the "Starlight Tradition" series, productions for families to experience together during the holidays. The Starlight crew constructed a cabin on the Bengt Sjostrom Stage which housed an audience of 250 people. Each performance sold out, and was a massive success. Families from all over enjoyed this new tradition."

For additional info, please visit:
RockValleyCollege.edu/Starlight.

Leadership, Administration, Academic & Student Affairs

Academic & Student Affairs Staff

Adult & Developmental Education

Flores, Yazmine
Career Planner,
Dislocated Worker Program

Heilman, Amy
Director,
Refugee Training Program

LaCount, Michele
Career Planner,
Dislocated Worker Program

Morgan, Jenny
Transitions Coordinator

Rogers, Jackie
Career Planner,
Dislocated Worker Program

Rohrer, Daniel
Career Planner,
Dislocated Worker Program

Romero, Lori
Coordinator,
ABE/ASE Adult Basic Secondary Education

Rosas Morena, Joana
Citizenship Coordinator,
Refugee Training Program

Sims, Tabitha
Director of Enrollment Services,
Dislocated Worker Program

Wagner, Tricia
Director,
ESL, Adult Education & Literacy

Wieland, Paul
Career Planner,
Dislocated Worker Program

Zwirner, Jessica
Coordinator,
ESL, Adult Education & Literacy

Athletics

Bredehoeft, Tyler
Sports Coordinator & Men's Basketball Coach

Graber, Andy
Men's & Women's Golf Coach

Hall, Tony
Men's & Women's Bowling Coach

Herren, Chad
Assistant Athletic Director & Head Baseball Coach

Kearns, Kristen
Athletic Trainer

Monroe, Darin
Athletic Director & Head Softball Coach

Pierce, Kristy
Sports Coordinator & Women's Volleyball Coach

Romanello, Tim
Sports Coordinator & Men's Soccer Coach

Watkins, Darryl
Sports Coordinator & Women's Basketball Coach

Watkins, Kevan
Sports Coordinator & Women's Soccer Coach
Student Engagement Coordinator

Foundation

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Instructional Support Services

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McKinney, Lori
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Circulation Services Library

Student Services

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First Year Experience

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First Year Experience

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Trio Program

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Markley, Luke
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Dean of Students

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Ramirez, Omar
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Woolford, Joe
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Brady, Christopher
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Mechler, Brandon
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– B.A., Florida State University
– M.A., Florida State University
– Ph.D., Florida State University

Whitworth, Della
Instructor,
Nursing
– A.A.S., Rock Valley College
– B.S.N., Olivet Nazarene University
– M.S.N., Capella University

Wong, Steve
Professor,
Business
– A.A., Rock Valley College
– B.S., Northern Illinois University
– M.S., Northwestern University

Woulfe, Eric M.
Associate Professor,
Computers and Info Systems
– B.A., Cardinal Stritch University
– M.S., Cardinal Stritch University

Youngblood, Michael
Professor,
Economics
– B.S., Northern Illinois University
– M.A., Northern Illinois University
– Ph.D., Northern Illinois University

Ziemer, Norbert
Professor,
Engineering & Technology
– B.S. University of Illinois at Urbana-Champaign
– M.S., National Louis University
– Ph.D., Missouri University of Science and Technology

Zimmerman, Gwendolyn
Associate Professor,
Nursing
– A.A. Joliet Junior College
– B.S.N., St. Anthony College of Nursing
– M.S.N., Olivet Nazarene University

Academic Affairs - Sciences Support Staff

Furman, (Katrina) Kati
Lab Manager,
Physical Sciences
– A.A., Rock Valley College
– B.S., Rockford University

Roe, Henry
Instructional Lab Technician (part time),
Physical Sciences
– B.S., University of Illinois - Chicago

Stenger, Sasha
Instructional Lab Technician (part time),
Life Sciences
– A.S., Rock Valley College
– B.S., Rockford University

Strong, Lisa
Instructional Lab Technician,
Life Sciences
– B.A., Boston University
– M.A., Southern Illinois University - Carbondale

Transfer Degree Programs

Rock Valley College offers a wide variety of courses specifically designed for transfer. The keys to successful transfer are to start planning immediately and to select coursework carefully. The Associate of Arts (A.A.), the Associate in Science (A.S.), and the Associate in Engineering Science (A.E.S.) degrees are intended for students planning to transfer to a college or university for a baccalaureate degree. However, since requirements can vary from one institution to another, it is recommended that students meet regularly with an academic advisor as well as verify information with the transfer institution.

The Planning for Success (p. 49) and IAI/RVC General Education Core Curriculum (p. 49) information provides additional educational planning information. Academic advisors are available to help students develop an individual education plan. Although Associate in Applied Science (A.A.S.) programs are not primarily designed for transfer to a four-year institution, RVC has established articulation agreements with a number of colleges and universities so that many A.A.S. degrees may transfer. Students should consult an academic advisor or program coordinator regarding the growing transfer possibilities with the A.A.S. degrees.

Associate of Arts Degree
(A.A. - RVC curriculum #1000)

This degree is for students who plan to major in liberal arts disciplines such as art, criminal justice, education, English, foreign language, geography, history, music, philosophy, political science, psychology, sociology, and speech. It can also be used for transfer business majors such as accounting, business administration, finance, and human resources.

Associate in Science Degree
(A.S. - RVC curriculum #1700)

This degree is for students who plan to major in science-related disciplines such as biology, chemistry, geology, mathematics, medicine, medical technology, pharmacy, occupational and physical therapy, physics, and veterinary medicine.

Associate in Engineering Science
(A.E.S. - RVC curriculum #1775)

This degree is designed to provide students a transition to a four-year baccalaureate engineering degree program. Students who complete the A.E.S. degree can transfer to an engineering program to complete a Bachelor of Science degree depending upon the requirements of the transfer institution. Students may need to complete additional engineering prerequisites at the transfer school.

Selecting the IAI General Education Courses

Students will find a concise listing of General Education Core Curriculum course requirements for the A.A. and A.S. degrees Here. Students should also consult with a Rock Valley College academic advisor for assistance in making correct course selections. In addition, they should consult: iTransfer.org for accurate updates on these requirements.

Associate of Arts Degree (A.A.) = 64 Credit Hours Total

Associate of Arts (A.A.) Degree #1000
Website: RockValleyCollege.edu/AA

1. General Education Core Curriculum (GECC) = 37–41 Credit Hours Total

Communications (9 credits)
Students whose first semester of postsecondary education is after Summer 1999 must earn grades of "C" or higher in ENG 101 and 103.

ENG-101	Composition I	3
ENG-103	Composition II	3
SPH-131	Fundamentals of Communication	3

ENG 101 and ENG 103: Must earn minimum grade of "C"

Humanities / Fine Arts (9 credits)
Note: To fulfill the IAI GECC Humanities and Fine Arts requirement, students should select a minimum of three (3) courses, selecting at least one (1) from the Humanities and one (1) from the Fine Arts. Interdisciplinary courses encompassing both the Humanities and the Fine Arts may be used for either category.

Humanities:

FRN-204	Continuation of Intermediate French	3
GRM-204	Continuation of Intermediate German	3
LIT-101	Introduction to Literature	3
LIT-139	Mythology	3
LIT-140	The Bible As Literature	3
LIT-142	Exploring Literature: Poetry	3
LIT-143	Exploring Literature: Drama	3
LIT-144	Exploring Literature: Fiction	3
LIT-152	Multicultural American Literature	3
LIT-154	*Introduction to Non-Western Literature*	*3*
LIT-201	American Literature Before 1865	3
LIT-202	American Literature Since 1865	3
LIT-205	British Literature before 1800	3
LIT-206	British Literature since 1800	3
LIT-210	Women Writers: The Early Years to 1800	3
LIT-211	Women's Literature: 1800 to Present	3
LIT-241	Shakespeare	3
PHL-150	Introduction to Philosophy	3
PHL-151	*Introduction to Non-Western Philosophy*	*3*
PHL-152	Environmental Ethics	3
PHL-154	Introduction to Religion	3
PHL-155	*World Religions*	*3*
PHL-156	Religion in American Society	3
PHL-157	Foundational Religious Texts	3
PHL-158	Ancient & Medieval Philosophy	3
PHL-159	Modern & Contemporary Philosophy	3
PHL-255	Logic	3
PHL-256	Contemporary Moral Issues	3
PHL-260	Philosophy of Religion	3
SPN-204	Continuation of Intermediate Spanish	3

#LIT 154, PHL 151, and PHL 155: Non-Western Culture

Fine Arts:

ART-131	Introduction to Visual Art	3
ART-141	*Introduction to Non-Western Visual Art*	*3*
ART-251	History of Art I	3
ART-252	History of Art II	3
ART-253	History of Art III	3
COM-251	Film History and Appreciation	3
COM-252	International History of Film	3
HUM-117	Ethnic Traditions in American Theatre	3
HUM-210	Cultural Expression Gender in Visual & Performing Arts	3
MUS-102	Introduction to Music Literature	3
MUS-104	Introduction to American Music	3
MUS-106	*Introduction to Non-Western Music*	*3*
MUS-251	Music Literature I	3
MUS-252	Music Literature II	3
MUS-253	Music Literature III	3
THE-133	Introduction to Theatre	3

#ART 141 and MUS 106: Non-Western Culture

Interdisciplinary Humanities and Fine Arts:
Interdisciplinary humanities courses listed below may be used for either Humanities or Fine Arts credit. The Humanities/Fine Arts requirement cannot be met soley with Interdisciplinary classes.

ENG-200	Language, Power, and Public Life	3
HUM-111	Introduction to Humanities I	3
HUM-112	Introduction to Humanities II	3
HUM-114	Introduction to Humanities III: Contemporary Western World	3
HUM-125	*Introduction to Non-Western Humanities*	*3*
HUM-151	*Exploring Non-Western Culture Through Myth*	*3*
HUM-211	War and Western Humanities Through the Middle Ages	3
HUM-212	War and Western Humanities from the Renaissance to the Present	3
LIT-141	Film and Literature	3

#HUM 125 and HUM 151: Non-Western Culture

Physical and Life Sciences (7-8 credits)

Note: Select at least one Life Science and one Physical Science course. At least one of the two courses must have a lab.

Life Sciences:

BIO-100	Introductory Human Biology	3
BIO-103	Introductory Life Science	3
BIO-104	Introductory Life Science Laboratory	1
BIO-106	Environmental Biology	3
BIO-107	Environmental Biology Laboratory	1
BIO-113	Plants and Society	4
BIO-140	Introduction to Evolution	3
BIO-150	Microbes and Society	3
BIO-152	Microbes and Society Laboratory	1
BIO-162	Human Heredity	3
BIO-201	Fundamentals of Biology I	4
BIO-202	Fundamentals of Biology II	4

Physical Sciences:

AST-202	Introduction to Astronomy	4
ATS-105	Introduction to Atmospheric Science	4
CHM-105	Chemistry and Society	4
CHM-110	General, Organic and Biochemistry I	4
CHM-120	General Chemistry I	4
GEL-101	Introduction to Geology	4
GEL-103	Fossils and Earth History	4
GEL-107	Geology of the Solar System	3
GEL-206	Environmental Geology	3
PGE-100	Physical Geography	3
PGE-102	Physical Geography With Lab	4
PGE-240	Global Climate Change	3
PHY-201	Mechanics and Heat	5
PHY-215	Mechanics, Wave Motion, Thermodynamics	5

Mathematics (3-5 credits)

Note: For students seeking state certification as elementary teachers, both MTH 216 and 217 must be satisfactorily completed to fulfill the three-hour mathematics requirement.

MTH-115	General Education Mathematics	3
MTH-135	Calculus with Analytic Geometry I	5
MTH-160	Topics From Finite Mathematics	3
MTH-211	Calculus for Business and Social Science	4
MTH-217	Mathematics for Elementary Teachers II	3
MTH-220	Elements of Statistics	3
MTH-235	Calculus with Analytic Geometry II	4
MTH-236	Calculus with Analytic Geometry III	4

Social and Behavioral Sciences (9 credits)

Note: Select courses from at least two areas.

Anthropology:

ANP-102	Introduction to Biological Anthropology & Archaeology	3
ANP-103	*Introduction to Cultural Anthropology*	*3*

#ANP 103: Non-Western Culture

Economics:

ECO-101	Introduction to Economics	3
ECO-110	Principles of Economics: Macro	3
ECO-111	Principles of Economics: Micro	3

History:

HST-140	History of Western Civilization I	3
HST-141	History of Western Civilization II	3
HST-142	History of the United States to 1865	3
HST-143	History of the United States Since 1865	3
HST-151	*African History Survey to 1600*	*3*
HST-152	*African History Survey Since 1600*	*3*
HST-162	*History of Latin America I*	*3*
HST-163	*History of Latin America II*	*3*
HST-172	*History of the Middle East to 1453*	*3*
HST-173	*History of the Middle East Since 1453*	*3*
HST-182	*History of Eastern Civilization to 1500*	*3*
HST-183	*History of Eastern Civilization Since 1500*	*3*
HST-192	*History of the World Until 1750*	*3*
HST-193	*History of the World Since 1750*	*3*

#HST 151, HST 152, HST 162, HST 163, HST 172, HST 173, HST 182, HST 183, HST 192, and HST 193: Non-Western Culture

Political Science:

PSC-150	Introduction to Political Science	3
PSC-160	American National Government	3
PSC-161	State and Local Government	3
PSC-269	International Relations	3

Psychology:

PSY-170	General Psychology	3
PSY-225	Child Development	3
PSY-270	Life-Span Developmental Psychology	3
PSY-275	Social Psychology	3

Sociology:

SOC-190	Introduction to Sociology	3
SOC-290	Social Problems	3
SOC-295	*Racial and Ethnic Relations*	*3*
SOC-298	Sociology of Sex and Gender	3
SOC-299	Sociology of the Family	3

#SOC 295: Non-Western Culture

2. Additional Degree Requirements to be Completed

For the Associate of Arts Degree, students need to complete the following:

- **Humanities and Fine Arts - 3 credits**
  (additional for a total of 12 credits)
  Select from: Any course listed as an IAI approved humanities or fine arts course and/or ART 246; FRN, GRM, SPN; PHL; LIT; HUM 115, or 250.

- **Social and Behavioral Sciences - 3 credits**
  (additional for a total of 12 credits)
  Select from: Any course listed as an IAI approved social and behavioral science course and/or ANP, ECO, EDU 224, GEO, HST, PSC, PSY, or SOC.

- **Non-Western Culture - one 3-credit course**
  Select from: Any course listed as an IAI approved Non-Western Culture. Course is indicated by *italics (#)*; or SPH 202.

- **STU 100 - Planning for Success - one 1-credit course**

- **Electives - 16-20 additional credits**
  The electives taken at RVC may serve as prerequisites for majors at baccalaureate institutions. Students should meet with an academic advisor to verify course selection based on major and transfer institution. Students should also check with the college or university they plan to transfer to and confirm course selection. Students are responsible for knowing the specific requirements of the institution they are considering for transfer and should consult with those institutions directly.
  Note: Students can only use a maximum of four (4) credits of 100-level (activity-based) FWS credits. These courses are repeatable.

Please see further information about the IAI at:
iTransfer.org.

Disclaimer: This information is only a tool that will be updated periodically. Please check with Academic, Career, and Transfer Advising Office for updates.

Associate in Science Degree (A.S.) = 64 Credit Hours Total

Associate of Arts (A.S.) Degree #1700
Website: RockValleyCollege.edu/AS

1. General Education Core Curriculum (GECC) = 31– 35 Credit Hours Total

Note: The A.S. Degree does not fulfill the IAI GECC requirements. However, the GECC can still be completed at RVC or completed at the Transfer Institution.

Communications (9 credits)
Students whose first semester of postsecondary education is after Summer 1999 must earn grades of "C" or higher in ENG 101 and 103.

ENG-101	Composition I	3
ENG-103	Composition II	3
SPH-131	Fundamentals of Communication	3

ENG 101 and ENG 103: Must earn minimum grade of "C"

Humanities / Fine Arts (6 credits)
Note: To fulfill the IAI GECC Humanities and Fine Arts requirement, students should select a minimum of two (2) courses, selecting at least one (1) from the Humanities and one (1) from the Fine Arts. Interdisciplinary courses encompassing both the Humanities and the Fine Arts may be used for either category.

Humanities:

FRN-204	Continuation of Intermediate French	3
GRM-204	Continuation of Intermediate German	3
LIT-101	Introduction to Literature	3
LIT-139	Mythology	3
LIT-140	The Bible As Literature	3
LIT-142	Exploring Literature: Poetry	3
LIT-143	Exploring Literature: Drama	3
LIT-144	Exploring Literature: Fiction	3
LIT-152	Multicultural American Literature	3
LIT-154	*Introduction to Non-Western Literature*	*3*
LIT-201	American Literature Before 1865	3
LIT-202	American Literature Since 1865	3
LIT-205	British Literature before 1800	3
LIT-206	British Literature since 1800	3
LIT-210	Women Writers: The Early Years to 1800	3
LIT-211	Women's Literature: 1800 to Present	3
LIT-241	Shakespeare	3
PHL-150	Introduction to Philosophy	3
PHL-151	*Introduction to Non-Western Philosophy*	*3*
PHL-152	Environmental Ethics	3
PHL-154	Introduction to Religion	3
PHL-155	*World Religions*	*3*
PHL-156	Religion in American Society	3
PHL-157	Foundational Religious Texts	3
PHL-158	Ancient & Medieval Philosophy	3
PHL-159	Modern & Contemporary Philosophy	3
PHL-255	Logic	3
PHL-256	Contemporary Moral Issues	3
PHL-260	Philosophy of Religion	3
SPN-204	Continuation of Intermediate Spanish	3

#LIT 154, PHL 151, and PHL 155: Non-Western Culture

Fine Arts:

ART-131	Introduction to Visual Art	3
ART-141	*Introduction to Non-Western Visual Art*	*3*
ART-251	History of Art I	3
ART-252	History of Art II	3
ART-253	History of Art III	3
COM-251	Film History and Appreciation	3
COM-252	International History of Film	3
HUM-117	Ethnic Traditions in American Theatre	3
HUM-210	Cultural Expression Gender in Visual & Performing Arts	3
MUS-102	Introduction to Music Literature	3
MUS-104	Introduction to American Music	3
MUS-106	*Introduction to Non-Western Music*	*3*
MUS-251	Music Literature I	3
MUS-252	Music Literature II	3
MUS-253	Music Literature III	3
THE-133	Introduction to Theatre	3

#ART 141 and MUS 106: Non-Western Culture

Interdisciplinary Humanities and Fine Arts:
Interdisciplinary humanities courses listed below may be used for either Humanities or Fine Arts credit. The Humanities/Fine Arts requirement cannot be met soley with Interdisciplinary classes.

ENG-200	Language, Power, and Public Life	3
HUM-111	Introduction to Humanities I	3
HUM-112	Introduction to Humanities II	3
HUM-114	Introduction to Humanities III: Contemporary Western World	3
HUM-125	*Introduction to Non-Western Humanities*	*3*
HUM-151	*Exploring Non-Western Culture Through Myth*	*3*
HUM-211	War and Western Humanities Through the Middle Ages	3
HUM-212	War and Western Humanities from the Renaissance to the Present	3
LIT-141	Film and Literature	3

 # HUM 125 and HUM 151: Non-Western Culture

Physical and Life Sciences (7-8 credits)

Note: Select at least one Life Science and one Physical Science course. At least one of the two courses must have a lab.

Life Sciences:

BIO-100	Introductory Human Biology	3
BIO-103	Introductory Life Science	3
BIO-104	Introductory Life Science Laboratory	1
BIO-106	Environmental Biology	3
BIO-107	Environmental Biology Laboratory	1
BIO-113	Plants and Society	4
BIO-140	Introduction to Evolution	3
BIO-150	Microbes and Society	3
BIO-152	Microbes and Society Laboratory	1
BIO-162	Human Heredity	3
BIO-201	Fundamentals of Biology I	4
BIO-202	Fundamentals of Biology II	4

Physical Sciences:

AST-202	Introduction to Astronomy	4
ATS-105	Introduction to Atmospheric Science	4
CHM-105	Chemistry and Society	4
CHM-110	General, Organic and Biochemistry I	4
CHM-120	General Chemistry I	4
GEL-101	Introduction to Geology	4
GEL-103	Fossils and Earth History	4
GEL-107	Geology of the Solar System	3
GEL-206	Environmental Geology	3
PGE-100	Physical Geography	3
PGE-102	Physical Geography With Lab	4
PGE-240	Global Climate Change	3
PHY-201	Mechanics and Heat	5
PHY-215	Mechanics, Wave Motion, Thermodynamics	5

Mathematics (3-5 credits)

Note: For students seeking state certification as elementary teachers, both MTH 216 and 217 must be satisfactorily completed to fulfill the three-hour mathematics requirement.

MTH-115	General Education Mathematics	3
MTH-135	Calculus with Analytic Geometry I	5
MTH-160	Topics From Finite Mathematics	3
MTH-211	Calculus for Business and Social Science	4
MTH-217	Mathematics for Elementary Teachers II	3
MTH-220	Elements of Statistics	3
MTH-235	Calculus with Analytic Geometry II	4
MTH-236	Calculus with Analytic Geometry III	4

Social and Behavioral Sciences (6 credits)

Note: Select courses from at least two areas.

Anthropology:

ANP-102	Introduction to Biological Anthropology & Archaeology	3
ANP-103	*Introduction to Cultural Anthropology*	*3*

#ANP 103: Non-Western Culture

Economics:

ECO-101	Introduction to Economics	3
ECO-110	Principles of Economics: Macro	3
ECO-111	Principles of Economics: Micro	3

History:

HST-140	History of Western Civilization I	3
HST-141	History of Western Civilization II	3
HST-142	History of the United States to 1865	3
HST-143	History of the United States Since 1865	3
HST-151	*African History Survey to 1600*	*3*
HST-152	*African History Survey Since 1600*	*3*
HST-162	*History of Latin America I*	*3*
HST-163	*History of Latin America II*	*3*
HST-172	*History of the Middle East to 1453*	*3*
HST-173	*History of the Middle East Since 1453*	*3*
HST-182	*History of Eastern Civilization to 1500*	*3*
HST-183	*History of Eastern Civilization Since 1500*	*3*
HST-192	*History of the World Until 1750*	*3*
HST-193	*History of the World Since 1750*	*3*

#HST 151, HST 152, HST 162, HST 163, HST 172, HST 173, HST 182, HST 183, HST 192, and HST 193: Non-Western Culture

Political Science:

PSC-150	Introduction to Political Science	3
PSC-160	American National Government	3
PSC-161	State and Local Government	3
PSC-269	International Relations	3

Psychology:

PSY-170	General Psychology	3
PSY-225	Child Development	3
PSY-270	Life-Span Developmental Psychology	3
PSY-275	Social Psychology	3

Sociology:

SOC-190	Introduction to Sociology	3
SOC-290	Social Problems	3
SOC-295	*Racial and Ethnic Relations*	*3*
SOC-298	Sociology of Sex and Gender	3
SOC-299	Sociology of the Family	3

#SOC 295: Non-Western Culture

2. Additional Degree Requirements to be

Completed
For the Associate in Science Degree, students need to complete the following:

- **Mathematics** (additional credits for a total of 8 credits)
  Select from: Any course listed as an IAI approved mathematics course and/or any other math course (MTH) numbered 100 or above.
  Note: If needed, it is strongly recommended that students complete all calculus courses at the same institution.

- **Physical and Life Sciences** (additional credits for a total of 16 credits)
  Two courses with labs from the same discipline (Example: Two BIO'S or two CHM's)
  Select from: Any course listed as an IAI GECC approved Life or Physical Science course and/or any course from AST, ATS, BIO, CHM, GEL, PGE, or PHY. Credit cannot be counted toward the science requirement of the A.S. for more than one course in the following course combination: BIO 103/BIO 162/BIO 201/BIO 205.
  Credit cannot be counted toward the science requirement of the A.S. for more than one course in the following course combination: CHM 105/110/120. Acceptable course pairings for chemistry include CHM 110 and CHM 210 or CHM 120 and CHM 130.

- **Non-Western Culture - one 3-credit course**
  Select from: Any course listed as an IAI approved Non-Western Culture. Course is indicated by (#); or SPH 202.

- **STU 100 - Planning for Success - one 1-credit course**

- **Electives - 15-18 additional credits**
  The electives taken at RVC may serve as prerequisites for majors at baccalaureate institutions. Students should meet with an academic advisor to verify course selection based on major and transfer institution. Students should also check with the college or university they plan to transfer to and confirm course selection. Students are responsible for knowing the specific requirements of the institution they are considering for transfer and should consult with those institutions directly.
  Note: Students can only use a maximum of four (4) credits of 100-level (activity-based) FWS credits. These courses are repeatable.

General Education Core Curriculum (GECC) Certificate = 37 Credit Hours Total

General Education Core Curriculum (GECC) Certificate #1001
Website: RockValleyCollege.edu/GECC

The General Education Core Curriculum (GECC) Certificate is intended for students planning to transfer to a four-year institution in pursuit of a Bachelor of Arts degree. Completing the GECC Certificate enables students to document that they have fulfilled all the lower-division general education course requirements for both the Associate in Arts (A.A.) and Bachelor of Arts (B.A.) degrees.

Rock Valley College participates in the Illinois Articulation Initiative (IAI), a statewide transfer agreement intended to provide easier transfer of credits among more than 100 participating colleges and universities in Illinois. A key component of the IAI is that participants have agreed to accept the completed GECC as a package in lieu of their own lower-division general education courses. Completing the GECC Certificate signifies that all lower-division general education courses have been completed, and guarantees that all of these courses will transfer as a package.

Communications (9 credits)
Students whose first semester of postsecondary education is after Summer 1999 must earn grades of "C" or higher in ENG 101 and 103.

ENG-101	Composition I	3
ENG-103	Composition II	3
SPH-131	Fundamentals of Communication	3

ENG 101 and ENG 103: Must earn minimum grade of "C"

Humanities / Fine Arts (9 credits)
Note: To fulfill the IAI GECC Humanities and Fine Arts requirement, students should select a minimum of three (3) courses, selecting at least one (1) from the Humanities and one (1) from the Fine Arts. Interdisciplinary courses encompassing both the Humanities and the Fine Arts may be used for either category.

Humanities:

FRN-204	Continuation of Intermediate French	3
LIT-101	Introduction to Literature	3
LIT-139	Mythology	3
LIT-140	The Bible as Literature	3
LIT-142	Exploring Literature: Poetry	3
LIT-143	Exploring Literature: Drama	3
LIT-144	Exploring Literature: Fiction	3
LIT-152	*Multicultural American Literature*	*3*
LIT-154	Introduction to Non-Western Literature	3
LIT-201	American Literature Before 1865	3
LIT-202	American Literature Since 1865	3
LIT-205	British Literature before 1800	3
LIT-206	British Literature since 1800	3
LIT-210	Women Writers: The Early Years to 1800	3
LIT-211	Women's Literature: 1800 to Present	3
LIT-241	Shakespeare	3
PHL-150	Introduction to Philosophy	3
PHL-151	*Introduction to Non-Western Philosophy*	*3*
PHL-152	Environmental Ethics	3
PHL-154	Introduction to Religion	3
PHL-155	*World Religions*	*3*
PHL-156	Religion in American Society	3
PHL-157	Foundational Religious Texts	3
PHL-158	Ancient and Medieval Philosophy	3
PHL-159	Modern & Contemporary Philosophy	3
PHL-255	Logic	3
PHL-256	Contemporary Moral Issues	3
PHL-260	Philosophy of Religion	3
SPN-204	Continuation of Intermediate Spanish	3

#LIT 154, PHL 151, and PHL 155: Non-Western Culture

Fine Arts:

ART-131	Introduction to Visual Art	3
ART-141	*Introduction to Non-Western Visual Art*	*3*
ART-251	History of Art I	3
ART-252	History of Art II	3
ART-253	History of Art III	3
COM-251	Film History and Appreciation	3
COM-252	International History of Film	3
HUM-117	Ethnic Traditions in American Theatre	3
HUM-210	Cultural Expression of Gender in the Visual and Performing Arts	3
MUS-102	Introduction to Music Literature	3
MUS-104	Introduction to American Music	3
MUS-106	*Introduction to Non-Western Music*	*3*
MUS-251	Music Literature I	3
MUS-252	Music Literature II	3
MUS-253	Music Literature III	3
THE-133	Introduction to Theatre	3

#ART 141 and MUS 106: Non-Western Culture

Interdisciplinary Humanities and Fine Arts:
Interdisciplinary humanities courses listed below may be used for either Humanities or Fine Arts credit. The Humanities/Fine Arts requirement cannot be met soley with Interdisciplinary classes.

ENG-200	Language, Power, and Public Life	3
HUM-111	Introduction to Humanities I	3
HUM-112	Introduction to Humanities II	3
HUM-114	Introduction to Humanities III: Contemporary Western World	3
HUM-125	*Introduction to Non-Western Humanities*	*3*
HUM-151	*Exploring Non-Western Culture Through Myth*	*3*
HUM-211	War and Western Humanities Through the Middle Ages	3
HUM-212	War and Western Humanities from the Renaissance to the Present	3
LIT-141	Film and Literature	3

#HUM 125 and HUM 151: Non-Western Culture

Physical and Life Sciences (7-8 credits)
Note: Select at least one Life Science and one Physical Science course. At least one of the two courses must have a lab.

Life Sciences:

BIO-100	Introductory Human Biology	3
BIO-103	Introductory Life Science	3
BIO-104	Introductory Life Science Laboratory	1
BIO-106	Environmental Biology	3
BIO-107	Environmental Biology Laboratory	1
BIO-113	Plants and Society	4
BIO-140	Introduction to Evolution	3
BIO-150	Microbes and Society	3
BIO-152	Microbes and Society Laboratory	1
BIO-162	Human Heredity	3
BIO-201	Fundamentals of Biology I	4
BIO-202	Fundamentals of Biology II	4

Physical Sciences:

ATS-105	Introduction to Atmospheric Science	4
CHM-105	Chemistry and Society	4
CHM-110	General, Organic and Biochemistry I	4
CHM-120	General Chemistry I	4
GEL-101	Introduction to Geology	4
GEL-103	Fossils and Earth History	4
GEL-107	Geology of the Solar System	3
GEL-206	Environmental Geology	3
PGE-100	Physical Geography	3
PGE-102	Physical Geography With Lab	4
PGE-240	Global Climate Change	3
PHY-201	Mechanics and Heat	5
PHY-215	Mechanics, Wave Motion, Thermodynamics	5

Mathematics (3-6 credits)
Note: For students seeking state certification as elementary teachers, both MTH 216 and 217 must be satisfactorily completed to fulfill the three-hour mathematics requirement.

MTH-115	General Education Mathematics	3
MTH-135	Calculus with Analytic Geometry I	5
MTH-160	Topics From Finite Mathematics	3
MTH-211	Calculus for Business and Social Science	4
MTH-217	Mathematics for Elementary Teachers II	3
MTH-220	Elements of Statistics	3
MTH-235	Calculus with Analytic Geometry II	4
MTH-236	Calculus with Analytic Geometry III	4

Social and Behavioral Sciences (9 credits)
Note: Select courses from at least two areas.

Anthropology:

ANP-102	Introduction to Biological Anthropology & Archaeology	3
ANP-103	*Introduction to Cultural Anthropology*	*3*

#ANP 103: Non-Western Culture

Economics:

ECO-101	Introduction to Economics	3
ECO-110	Principles of Economics: Macro	3
ECO-111	Principles of Economics: Micro	3

History:

HST-140	History of Western Civilization I	3
HST-141	History of Western Civilization II	3
HST-142	History of the United States to 1865	3
HST-143	History of the United States Since 1865	3
HST-151	*African History Survey to 1600*	*3*
HST-152	*African History Survey Since 1600*	*3*
HST-162	*History of Latin America I*	*3*
HST-163	*History of Latin America II*	*3*
HST-172	*History of the Middle East to 1453*	*3*
HST-173	*History of the Middle East Since 1453*	*3*
HST-182	*History of Eastern Civilization to 1500*	*3*
HST-183	*History of Eastern Civilization Since 1500*	*3*
HST-192	*History of the World Until 1750*	*3*
HST-193	*History of the World Since 1750*	*3*

#HST 151, HST 152, HST 162, HST 163, HST 172, HST 173, HST 182, HST 183, HST 192, and HST 193: Non-Western Culture

Political Science:

PSC-150	Introduction to Political Science	3
PSC-160	American National Government	3
PSC-161	State and Local Government	3
PSC-269	International Relations	3

Psychology:

PSY-170	General Psychology	3
PSY-225	Child Development	3
PSY-270	Life-Span Developmental Psychology	3
PSY-275	Social Psychology	3

Sociology:

SOC-190	Introduction to Sociology	3
SOC-290	Social Problems	3
SOC-295	*Racial and Ethnic Relations*	*3*
SOC-298	Sociology of Sex and Gender	3
SOC-299	Sociology of the Family	3

#SOC 295: Non-Western Culture

Associate in Engineering Science (A.E.S.) = 65 Credit Hours Total

Associate in Engineering Science (A.E.S.) Degree #1775
Program Contact: Aviation and Engineering (815) 921-3203
Website: RockValleyCollege.edu/AES

The Associate in Engineering Science Degree is designed to provide graduates with transfer credits to a baccalaureate engineering degree program. The degree supports A.E.S. graduates' ability to complete a Bachelor of Science (B.S.) Degree depending in large part on the requirements of the four-year institution. The student should identify his/her engineering major and target institution as soon as possible. Students who are unsure of a major in engineering may wish to pursue an Associate in Science (A.S.) Degree. Although students completing an A.S. Degree can complete all of the general education requirements at Rock Valley College, they may be required by the program prerequisites at the transfer school to take three years to complete the baccalaureate engineering program.

I. College Requirements

1. Semester Hours: A minimum of 65 credit hours completed as specified in the following sections.
2. Grade-Point: A minimum cumulative grade-point average of 2.0 ("C" average) in all course work taken.
3. A "C" or better in each engineering specialty course and elective.

II. General Education Requirements

The completion of the AES degree does not fulfill all general requirements of the Illinois Articulation Initiative (IAI) General Education Core Curriculum. Consequently, students must complete the remainder of their general education requirements at the institution to which they transfer. Given the rigor associated with most four-year engineering programs, this program helps to provide students with more balanced semester course loads during their junior and senior years.

A.E.S. General Education Core Requirements (35 credits)

Note: Completion of the A.E.S. degree does not complete the IAI GECC. Students will also need to complete general education credits at the transfer institution.

A.E.S. Communications (9 credits)

ENG-101	Composition I	3
ENG-103	Composition II	3
SPH-131	Fundamentals of Communication	3

A.E.S. Mathematics (13 credits)

MTH-135	Calculus with Analytic Geometry I	5
MTH-235	Calculus with Analytic Geometry II	4
MTH-236	Calculus with Analytic Geometry III	4

A.E.S. Physical Science (4 credits)

CHM-120	General Chemistry I	4

A.E.S. Social and Behavioral Sciences / Humanities and Fine Arts (9 credits)

Students are encouraged to complete a two-course sequence in the same discipline in either the Social and Behavioral Sciences or the Humanities and Fine Arts categories.

(Please see previous pages for complete list of IAI-approved General Education Core Curriculum courses for these areas.)

IMPORTANT: students are required to select one course that emphasizes Non-Western culture (# after course listing = Non-Western course).

Students planning on majoring in Industrial Engineering are required to take:

ECO-111	Principles of Economics: Micro	3

*(**Note:** ECO 111 - Principles of Economics: Micro, 3, is permissible, but not required, for all other engineering majors.)*

III. A.E.S. Engineering Major Courses (20 credits)

A.E.S. Engineering and Technology (2 credits)

EGR-101	Introduction to Engineering	2

A.E.S. Additional Math Requirement (3 credits)

MTH-240	Differential Equations	3

A.E.S. Calculus-based Physics (10 credits)

PHY-215	Mechanics, Wave Motion, Thermodynamics	5
PHY-225	Electric, Magnetism, Light, Modrn Physic	5

A.E.S. Computer Programming (4 credits)

MTH-164	The Computer in Mathematics C/C++	4
	Or	
CIS-276	Introduction to C/C++ Programming	4

*(**Note:** Students in Electrical Engineering are advised to take MTH 164, or combination of MTH 120 / MTH 125, if MTH 132 was not completed. For EE students, CIS 276 cannot satisfy both the AES Computer Programming requirement and the AES Engineering Elective requirement. Additional coursework is necessary.)*

A.E.S. Required Elective (1 credit)

STU-100	Planning for Success	1

IV. A.E.S. Engineering Electives (10 credits)

The selection of the appropriate elective engineering courses to meet the elective requirement will depend on the student's desired major/engineering discipline and the specific requirements of the intended transfer institution. Electives should be determined in consultation with an engineering advisor.

The abbreviations given in the table below indicate the primary engineering disciplines from which the students may select a major field; the elective courses listed below appropriate to that discipline are marked with this abbreviation.

- Civil Engineering (CE)
- Electrical/Computer Engineering (EE)
- Industrial Engineering (IE)
- Chemical Engineering (ChE)
- Mechanical Engineering (ME)

Course	Course Title	Credits	Engineering Discipline
EGR-135*	Engineering Graphics	4	CE ME EE
EGR-206*	Statics	3	CE IE ME EE
EGR-207*	Dynamics	3	CE IE ME
EGR-221*	Elementary Mechanics of Deformable Bodies	3	CE IE ME
EGR-231*	Engineering Circuit Analysis	4	EE CE IE ME
EGR-250*	Digital Electronics	4	EE
ECO-111	Principles of Economics: Micro	3	IE
CIS-276*	Introduction to C/C++ Programming	4	EE
CHM-130	General Chemistry II	4	ChE
CHM-220	Organic Chemistry I	5	ChE
CHM-230	Organic Chemistry II	5	ChE

**These courses have specific course prerequisites that are not shown above and may require additional credit hours to be taken by the student.*

General Studies Degree

Requirements for the Associate in General Studies Degree (A.G.S.)

Associate in General Studies (A.G.S.) Degree #0100

The Associate in General Studies Degree is designed primarily for students who have chosen to pursue a broad general program rather than a specific occupational-oriented or baccalaureate-oriented program. THIS DEGREE IS NOT DESIGNED TO TRANSFER to a four-year institution and general education requirements do not meet IAI General Education Core Curriculum guidelines.

It is an individualized program, permitting flexibility in the selection of courses. Students will qualify for the Associate in General Studies degree when they have satisfied the following requirements:

1. **Enter into a contract with an academic advisor establishing an individualized program.** This contract will include the following points agreed upon by the student and their counselor and approved by the Vice President of Academic Affairs.

   a. **A general education component which must include:**
   - ENG 101 and SPH 131.
   - A mathematics course numbered 100 or above.
   - A social sciences course numbered 100 or above.
   - A humanities course numbered 100 or above (as defined in the A.A. degree humanities requirement).
   - A science course numbered 100 or above.
   - Career requirement (1-3 semester credits). Students must complete one course from the following electives:
     - STU 101 (Career Planning),
     - BUS 101 (Introduction to Business),
     - BUS 105 (Consumer Economics and Personal Finance),
     - CIS 102 (Introduction to Computers and Information Systems).

   b. **A minimum of 15 semester credits of the following areas of concentration from one or more:**
   - Business - all courses in the Business Division.
   - Communication - all courses numbered 100 to 299.
   - Computers and Information Systems - all courses in CIS, PCT, and WEB.
   - Humanities - all courses in Art, Music, Literature, Philosophy, THE 133, HUM 111, HUM 112, HUM 114, and SPH 202.
   - Life/Physical Sciences - all courses in the Life and Physical Sciences departments.
   - Mathematics - all Mathematics courses numbered 100 to 299.
   - Modern Languages - all Modern Language courses.
   - Fitness, Wellness, & Sport - all 200 level courses (FWS).
   - Health and Service Careers - all courses in the Allied Health Programs.
   - Social Sciences - all courses in the Social Sciences and Humanities Division.
   - Technical - all courses in the Technical Programs.

   c. **Electives - to be discussed with an Academic Advisor**

2. Complete all provisions of the contract. Once the agreement has been defined, it cannot be changed without the approval of an Academic Advisor and the Chief Academic Officer (CAO).

3. Earn a minimum of 12 semester credits at Rock Valley College in fall and spring semesters or summer sessions following the term in which the student entered into the contract.

4. Earn a minimum of 64 semester credits in courses numbered 100 through 299 (excluding certificate-level courses so indicated under “Course Descriptions (p. 139)”) with a grade point average of at least 2.0.

5. Successful completion of 20 semester credits at Rock Valley College. Students may earn a maximum of four (4) semester credits in physical education activity classes (FWS 100-199) toward the Associate in General Studies Degree.

Career and Technical Education Programs

Associate in Applied Science (A.A.S.) Degrees

Rock Valley College has developed career and technical programs in response to employment needs of the college's district. All of the career programs have been developed in cooperation with program advisory committees. Upon successful completion of a career program, students will receive an Associate in Applied Science (A.A.S.) degree or a Certificate. Although these programs are not primarily designed for transfer to a four- year institution, RVC has established articulation agreements with a number of colleges and universities and many Associate of Applied Science degrees may transfer. If transferring to a four-year college or university is your goal, please consult with your Academic Advisor, the Dean, or Academic Chair of the career program.

Requirements for the Associate in Applied Science (A.A.S.) Degree

The Associate in Applied Science Degree is awarded to students who successfully complete a career and technical education curriculum. Attainment of this degree is evidence that the student possesses the competence for entry-level employment in their field of study. An Associate in Applied Science Degree usually requires two years for full-time students. Part-time students may complete the degree over a longer period of time.

All technical curricula leading to the Associate in Applied Science Degree have both specific program and general education core course requirements. The general education requirements typically will include a minimum of 15 semester credit hours.

Requirements for all A.A.S. Degrees include:

1. Completion of one of the career education curriculums listed in this catalog (beginning on page 55), including a minimum of 64 semester credits. Courses numbered from 100 through 299 can be used toward the 64 semester credits.
2. Students can only use a maximum of four (4) credits of 100-level (activity-based) FWS credits. These courses are repeatable.
3. A minimum grade point average (GPA) of 2.0 cumulative ("C" average on a 4.0 scale).
4. Since the Summer of 1999, students must receive grades of "C" or better in ENG 101 and ENG 103 (if ENG 103 is required for the program). A grade of "C" or better is also required if a student completes MGT 170 (formerly ENG 105).
5. Successful completion of at least 15 semester credits at RVC.

Perkins Programs of Study & Career Clusters

Rock Valley College, in partnership with the Illinois State Board of Education and the Illinois Community College Board, has adopted the national Career Cluster Framework. This initiative complements other state level efforts to enhance workforce and career development.
Career Clusters are groups of occupations and industries that have in common a set of foundational knowledge and skills. There are 16 nationally recognized clusters and within are multiple Career Pathways. Career and Technical Education Programs of Study are aligned with these clusters and lead to employment in high-demand industries. For more information about the Career Clusters initiative visit: CareerTech.org.

Requirements for Certificates

Career education certificate programs are developed and offered in areas where job-entry training and educational requirements usually can be met in less than two years. These short-term programs are excellent options for the student who is interested in quickly gaining skills for employment.

A number of certificates are offered either as part of career education degree programs or stand-alone certificates.

Requirements for all Certificates include:

1. For certificates with less than 30 credit hours, a minimum grade of "C" is required in each course required in the certificate.
2. For certificates of 30 or greater credit hours, a minimum cumulative grade point average of 2.0 ("C" on a 4.0 scale) is required.
3. Substitution of appropriate, approved courses may be made in certificates to a maximum of one-fourth of the credit hours in the respective certificate.
4. Successful completion of a minimum of one-half the credits of the Certificate at RVC. ***Note:*** Certificate residency credits will exclude AP, CLEP, and proficiency credits.

Upon successful completion of the requirements for a specific certificate, an application for the certificate must be completed with an Academic, Career, and Transfer Advisor and submitted to the Records and Registration Office.

Career Education Guarantee

Rock Valley College guarantees that career education graduates will perform competently in positions for which their degrees or certificates are intended. An employer who perceives that a Rock Valley College graduate does not possess appropriate entry-level skills encompassed in the degree or certificate curriculum, and can specify such deficiencies, may request that the student be permitted to retake a specific course or courses up to nine (9) credit hours without additional tuition and fee charges.

Accounting

Accounting (ATG)

Associate in Applied Science #2000

Total Credit Hours: 65

Program Website: RockValleyCollege.edu/Accounting

Program Overview
Graduates of this program will play a central role in the financial life of a business or client. They will learn to assemble, identify, record, and interpret financial information in private and public accounting. Students who decide to go on to pursue a bachelor's degree will find other opportunities available in a wide range of fields.

Work and Employment
Graduates of this program are prepared to assume positions such as accounting technician, accounting assistant, accounting clerk, or bookkeeper.

Transfer Opportunities
Graduates of this Accounting degree have limited transfer options. Students are advised to contact the institution to which they plan to transfer to ensure course transfer credit availability. Students should also consult with an Academic Advisor, the Dean, or Academic Chair of the Business program.

Requirements

Accounting

ATG-110	Financial Accounting	4
ATG-111	Managerial Accounting	4
ATG-120	Microcomputer Spreadsheet Application in Accounting	2
ATG-123	General Ledger Software Applications in Accounting	2
ATG-210	Cost Accounting	4
ATG-215	Intermediate Accounting I	4
ATG-216	Intermediate Accounting II	3
ATG-218	Federal Income Tax	4
ATG-220	Fraud Detection and Deterrence	3
ATG-298	Accounting Capstone	4
BUS-101	Introduction to Business	3
BUS-223	Business Statistics	3
BUS-200	Legal Environment in Business	3
	Or	
BUS-201	Business Law	3
BUS-203	Economics for Business	3
BUS-279	Principles of Finance	3

Subtotal: 49

General Education

CIS-102	Introduction to Computers and Information Systems	3
ENG-101	Composition I	3
MGT-170	Business Communications	3
PCI-106	Microcomputer Applications/Windows Based	4
SPH-131	Fundamentals of Communication	3

Subtotal: 16

Accounting/Income Tax Fundamentals Certificate #2011

Requirements

ATG-110	Financial Accounting	4
ATG-218	Federal Income Tax	4

Total Credit Hours: 8

Professional Bookkeeper Certificate #2020

Requirements

ATG-110	Financial Accounting	4
ATG-111	Managerial Accounting	4
ATG-120	Microcomputer Spreadsheet Application in Accounting	2
ATG-123	General Ledger Software Applications in Accounting	2
ATG-220	Fraud Detection and Deterrence	3
ATG-298	Accounting Capstone	4
CIS-102	Introduction to Computers and Information Systems	3
PCI-106	Microcomputer Applications/Windows Based	4

Total Credit Hours: 26

A prerequisite or corequisite may be required for some courses. Refer to the course descriptions section in this catalog for more information.

Automotive Service Careers

Automotive Service Technology (ATM)

Associate in Applied Science #7100

Total Credit Hours: 66

Program Website: RockValleyCollege.edu/Automotive

Program Overview

Graduates of the Automotive Service Technology (ATM) Program are prepared to assume positions in the automotive industry as entry-level technicians. Students become adept in all aspects of the automobile, including electrical/electronics, engine repair, engine performance, heating/AC, suspension, brakes, and transmissions. Those with a 3.0 GPA should be able to pass the industry-recommended ASE tests to enhance employability.

Work and Employment

Successful graduates who become ASE-certified can move into positions as journeymen technicians. Technician training can lead to other career paths such as service managers, parts managers, jobber salespersons, insurance adjusters, and shop operators.

Transfer Opportunities

Graduates of this Automotive degree have limited transfer options. Students are advised to contact the institution to which they plan to transfer to ensure course transfer credit availability. Students should also consult with an Academic Advisor, the Dean, or Academic Chair of the Automotive Service Program.

*Students are expected to furnish their own tool kits for class. This will be discussed during the first-class session.

Automotive Core: 51 credits

Required for both options

ATM-105	Introduction to Brake and Chassis System	3
ATM-106	Introduction to Automotive Electrical Systems and Powertrains	3
ATM-107	Automotive Electronic Fundamentals	4
ATM-114	Brakes	4
ATM-121	Steering and Suspension	4
ATM-140	Engine Diagnosis and Repair	6
ATM-203	Heating and Air Conditioning Systems	4
ATM-222	Manual Transmission/Transaxles	4
ATM-223	Automotive Electrical Circuits	4
ATM-228	Engine Performance I	5
ATM-229	Engine Performance II	5
ATM-242	Automatic Transmissions/Transaxles	5

OPTION A: Automotive Service Technician

If students are interested in pursuing the Automotive Service Technician option in this program, they should take the following General Education courses:

General Education

ENG-101	Composition I	3
ENG-103	Composition II, or	
MGT-170	Business Communications, or	
ENG-110	Introduction to Technical Writing, or	
SPH-131	Fundamentals of Communication	3
MTH-115	General Education Mathematics, or	
MTH-120	College Algebra	3
CIS-102	Introduction to Computers and Information Systems	3
ATM-236	Advanced Computers/Control Systems	3

Subtotal: 15

OPTION B: Automotive Management

If students are interested in pursuing the Automotive Management option in this program, they should take the following General Education and Business courses. Students must complete 15 credit hours from the following:

General Education

ENG-101	Composition I	3
ENG-103	Composition II, or	
MGT-170	Business Communications, or	
ENG-110	Introduction to Technical Writing, or	
SPH-131	Fundamentals of Communication	3
BUS-101	Introduction to Business	3
ATM-236	Advanced Computers/Control Systems	3

Subtotal: 12

Electives (3 credits)

Select 3 credits from the *following:*

ATG-106	Intro to Accounting Debits and Credits	1
ATG-107	Intro to Accounting Special Journals	1
ATG-110	Financial Accounting	4
MGT-270	Principles of Management	3
MTH-120	College Algebra	3

Note: *Other General Education courses may be acceptable with the approval of the Technical Programs Dean.*

Automotive Technician Certificate #7101

Course Requirements

ATM-105	Introduction to Brake and Chassis System	3
ATM-106	Introduction to Automotive Electrical Systems and Powertrains	3
ATM-107	Automotive Electronic Fundamentals	4
ATM-114	Brakes	4
ATM-121	Steering and Suspension	4
ATM-140	Engine Diagnosis and Repair	6
ATM-203	Heating and Air Conditioning Systems	4
ATM-222	Manual Transmission/Transaxles	4
ATM-223	Automotive Electrical Circuits	4
ATM-228	Engine Performance I	5
ATM-229	Engine Performance II	5
ATM-242	Automatic Transmissions/Transaxles	5

Total Credit Hours: 51

Automotive Maintenance and Light Repair Certificate #7112

The Maintenance and Light Repair 1 Year Certificate (MLR) program prepares students for entry level employment in the automotive industry and related fields. Areas covered include workplace ethics and safety, routine vehicle maintenance, engine repair, brake installation, tire service, suspension repair and alignment, and minor automotive electrical diagnosis. This certificate meets the ASEEF Maintenance and Light Repair requirements.

The automotive industry is in perpetual need of technicians. The RVC ATM program provides a steady flow of entry level technicians into the workforce.

Course Requirements

ATM-105	Introduction to Brake and Chassis System	3
ATM-106	Introduction to Automotive Electrical Systems and Powertrains	3
ATM-107	Automotive Electronic Fundamentals	4
ATM-114	Brakes	4
ATM-121	Steering and Suspension	4
ATM-140	Engine Diagnosis and Repair	6

Total Credit Hours: 24

Aviation Maintenance Technology

Aviation Maintenance Technology (AVM)

Associate in Applied Science #7200

Total Credit Hours: 82

Program Website: RockValleyCollege.edu/Aviation

Program Overview
Federally-licensed graduates of the Aviation Maintenance Technology (AVM) Program are prepared to assume positions as airline or general aviation engine and/or airframe mechanics. The program is certified to provide approved instruction leading to FAA Airframe and Powerplant certificate examinations. Currently, 2,000 hours of instruction are offered in the areas of airframe and powerplant, which translates to 11 months of instruction in each year of the two-year program.

Work and Employment
In addition to the general aviation engine and/or airframe mechanic, graduates have also found work in other job-related areas, such as sheet metal construction and repair, reciprocating and turbine engine repair and overhaul, engine accessory overhaul and repair, air conditioning systems, welding, hydraulics, pneumatics, and electrical systems maintenance.

Transfer Opportunities
The program provides the first two years of a baccalaureate program for those who wish to pursue a four-year degree. Graduates also receive preferential admission status when they apply to the B.S. in Aviation Management or Aviation Technologies programs at Northern Illinois University, Southern Illinois University and Embry-Riddle Aeronautical University. Students should also consult with an Academic Advisor, the Dean, or Academic Chair of the Aviation program.

Previous College Credit
The RVC/AVM program does not accept transfer credits for aviation courses completed at any other institution.

Industry Certifications (if applicable)
Upon successful completion of the AVM program, students have the opportunity to take the Federal examinations to earn an FAA Airframe Technician and Powerplant Technician license.

Applying for the Program
A special application is required for admission to the program. Students are urged to apply as soon as possible prior to the term in which they wish to enroll. Contact the program office for an application.

Testing Fees - FAA Mechanic Certification
Upon completion of Rock Valley Colleges General and Airframe and/or Powerplant program curriculum, you will be required to pass a series of written, oral, and practical tests to obtain a mechanic certificate with Airframe and/or Powerplant Ratings issued by the Federal Aviation Administration (FAA). As you consider pursuing the AMT program at Rock Valley College, it is important to be aware of these additional fees.

Testing for the FAA Mechanic certificate is broken into two portions or ratings:

1. Airframe rating
2. Powerplant rating

The certification testing scheme breaks down this way:

- Written knowledge tests
  - General subject area: $175 per attempt
  - Airframe subject area: $175 per attempt
  - Powerplant subject area: $175 per attempt

Written tests: $525 total *
(The general written test is taken with the first rating sought.)

- Oral and practical tests (one "session" per rating)
  - General section, oral and practical: $200
  - Airframe,oral and practical: $400
  - Powerplant, oral and practical: $400

All oral and practical tests: $1,000 total
(The general section is taken with the first rating sought.)

All tests completed in the first take: $1,525 **

The typical test completion strategy by AMT students is to complete the General and Airframe, written, orals, and practical tests following completion of the General and Airframe program curriculum. Following the completion of the Powerplant curriculum, students take the Powerplant tests.

** Written knowledge test prices are subject to change. Prices for knowledge tests are set by FAA-approved testing centers.*
*** All prices are subject to change. Prices for written tests are set by FAA-approved testing centers. Oral and practical exams are conducted by a FAA Designated Mechanic Examiner (DME).*

Requirements

Aviation Maintenance

AVM-101	Materials and Processes	3
AVM-102	Basic Electricity	3
AVM-103	Aviation Mathematics and Physics	2

AVM-104	Records and Publications	3
AVM-105	Aircraft Drawing-Weight & Balance	3
AVM-106	Cleaning and Corrosion Control	3
AVM-160	Fuel and Lubrication Systems	6
AVM-161	Engine Support Systems	3
AVM-162	Basic Powerplants	6
AVM-163	Ignition Systems	3
AVM-164	Advanced Powerplants	6
AVM-165	Engine Electrical Systems	2
AVM-166	Propeller Systems	3
AVM-241	Aircraft Finishing and Covering	3
AVM-242	Cabin Atmosphere Control Systems	2
AVM-243	Aircraft Welding	1
AVM-244	Aircraft Auxiliary Systems	1
AVM-245	Aircraft Electrical Systems	3
AVM-246	Aircraft Instrument and Communication Systems	2
AVM-247	Aircraft Metal Structures	6
AVM-248	Hydraulic & Pneumatic Control Systems	3
AVM-249	Aircraft Fuel Systems	1
AVM-250	Assembly and Rigging	3
AVM-251	Landing Gears Systems	3
AVM-252	Airframe Inspection	2

Subtotal: 76

General Education

ENG-101	Composition I	3
ENG-110	Introduction to Technical Writing, or	
SPH-131	Fundamentals of Communication, or	
ENG-103	Composition II	3

Subtotal: 6

>>Fall Start Cohort Sequence

Semester I - FALL

AVM-101	Materials and Processes	3
AVM-102	Basic Electricity	3
AVM-103	Aviation Mathematics and Physics	2
AVM-104	Records and Publications	3
AVM-105	Aircraft Drawing-Weight & Balance	3
AVM-249	Aircraft Fuel Systems	1

Subtotal: 15

Semester II - SPRING

AVM-245	Aircraft Electrical Systems	3
AVM-247	Aircraft Metal Structures	6
AVM-248	Hydraulic & Pneumatic Control Systems	3
AVM-250	Assembly and Rigging	3

Subtotal: 18

Semester III - SUMMER

AVM-106	Cleaning and Corrosion Control	3
AVM-246	Aircraft Instrument and Communication Systems	2
AVM-251	Landing Gears Systems	3

Subtotal: 8

Semester IV - FALL

AVM-162	Basic Powerplants	6
AVM-241	Aircraft Finishing and Covering	3
AVM-242	Cabin Atmosphere Control Systems	2
AVM-243	Aircraft Welding	1
AVM-244	Aircraft Auxiliary Systems	1
AVM-252	Airframe Inspection	2

Subtotal: 15

***Eligible for FAA Mechanics Certification with an Airframe Rating**

Semester V - SPRING

AVM-160	Fuel and Lubrication Systems	6
AVM-163	Ignition Systems	3
AVM-164	Advanced Powerplants	6

Subtotal: 15

Semester VI - SUMMER

AVM-161	Engine Support Systems	3
AVM-165	Engine Electrical Systems	2
AVM-166	Propeller Systems	3

Subtotal: 8

>>Spring Start Cohort Sequence

Semester I - SPRING

AVM-101	Materials and Processes	3
AVM-102	Basic Electricity	3
AVM-103	Aviation Mathematics and Physics	2
AVM-104	Records and Publications	3
AVM-105	Aircraft Drawing-Weight & Balance	3
AVM-249	Aircraft Fuel Systems	1

Subtotal: 15

Semester II - SUMMER

AVM-106	Cleaning and Corrosion Control	3
AVM-246	Aircraft Instrument and Communication Systems	2
AVM-251	Landing Gears Systems	3

Subtotal: 8

Semester III - FALL

AVM-245	Aircraft Electrical Systems	3
AVM-247	Aircraft Metal Structures	6
AVM-248	Hydraulic & Pneumatic Control Systems	3
AVM-250	Assembly and Rigging	3

Subtotal: 18

Semester IV - SPRING

AVM-162	Basic Powerplants	6
AVM-241	Aircraft Finishing and Covering	3
AVM-242	Cabin Atmosphere Control Systems	2
AVM-243	Aircraft Welding	1
AVM-244	Aircraft Auxiliary Systems	1
AVM-252	Airframe Inspection	2

Subtotal: 15

***Eligible for FAA Mechanics Certification with an Airframe Rating**

Semester V - SUMMER

AVM-161	Engine Support Systems	3
AVM-165	Engine Electrical Systems	2
AVM-166	Propeller Systems	3

Subtotal: 8

Semester VI - FALL

AVM-160	Fuel and Lubrication Systems	6
AVM-163	Ignition Systems	3
AVM-164	Advanced Powerplants	6

Subtotal: 15

Powerplant Added Rating

Student holds a FAA mechanics Certificate with Airframe rating. This may be obtained through 18 months of practical aircraft maintenance experience. This experience may be obtained through military service, or civil aircraft maintenance experience. Experience will be verified by the Federal Aviation Administration and the applicant will receive permission to take the written, oral, and practical examinations leading to mechanics certification.

Semester III - SUMMER

AVM-161	Engine Support Systems	3
AVM-165	Engine Electrical Systems	2
AVM-166	Propeller Systems	3

Subtotal: 8

Semester II - FALL or SPRING

AVM-160	Fuel and Lubrication Systems	6
AVM-163	Ignition Systems	3
AVM-164	Advanced Powerplants	6
	Or	
AVM-160	Fuel and Lubrication Systems	6
AVM-162	Basic Powerplants	6
AVM-163	Ignition Systems	3

Subtotal: 15

Semester I - FALL or SPRING

AVM-160	Fuel and Lubrication Systems	6
AVM-162	Basic Powerplants	6
AVM-163	Ignition Systems	3
	Or	
AVM-160	Fuel and Lubrication Systems	6
AVM-163	Ignition Systems	3
AVM-164	Advanced Powerplants	6

Subtotal: 15

Total Credits: 29

Airframe Added Rating

Student holds a FAA mechanics Certificate with Powerplant Rating. This may be obtained through 18 months of practical aircraft maintenance experience. This experience may be obtained through military service, or civil aircraft maintenance experience. Experience will be verified by the Federal Aviation Administration and the applicant will receive permission to take the written, oral, and practical examinations leading to mechanics certification.

Semester I - FALL or SPRING

AVM-245	Aircraft Electrical Systems	3
AVM-247	Aircraft Metal Structures	6
AVM-248	Hydraulic & Pneumatic Control Systems	3
AVM-250	Assembly and Rigging	3

Subtotal: 15

Semester II - FALL or SPRING

AVM-241	Aircraft Finishing and Covering	3
AVM-242	Cabin Atmosphere Control Systems	2
AVM-243	Aircraft Welding	1
AVM-244	Aircraft Auxiliary Systems	1
AVM-249	Aircraft Fuel Systems	1
AVM-252	Airframe Inspection	2

Subtotal: 10

Semester III - SUMMER

AVM-246	Aircraft Instrument and Communication Systems	2
AVM-251	Landing Gears Systems	3

Subtotal: 5

Total Credits: 30

Aviation Maintenance Certificate #7201

Course Requirements

AVM-101	Materials and Processes	3
AVM-102	Basic Electricity	3
AVM-103	Aviation Mathematics and Physics	2
AVM-104	Records and Publications	3
AVM-105	Aircraft Drawing-Weight & Balance	3
AVM-106	Cleaning and Corrosion Control	3
AVM-160	Fuel and Lubrication Systems	6
AVM-161	Engine Support Systems	3
AVM-162	Basic Powerplants	6
AVM-163	Ignition Systems	3
AVM-164	Advanced Powerplants	6
AVM-165	Engine Electrical Systems	2
AVM-166	Propeller Systems	3
AVM-241	Aircraft Finishing and Covering	3
AVM-242	Cabin Atmosphere Control Systems	2
AVM-243	Aircraft Welding	1
AVM-244	Aircraft Auxiliary Systems	1
AVM-245	Aircraft Electrical Systems	3
AVM-246	Aircraft Instrument and Communication Systems	2
AVM-247	Aircraft Metal Structures	6
AVM-248	Hydraulic & Pneumatic Control Systems	3
AVM-249	Aircraft Fuel Systems	1
AVM-250	Assembly and Rigging	3
AVM-251	Landing Gears Systems	3
AVM-252	Airframe Inspection	2

Total Credit Hours: 76

Airframe Technician Certificate #7202

Course Requirements

AVM-101	Materials and Processes	3
AVM-102	Basic Electricity	3
AVM-103	Aviation Mathematics and Physics	2
AVM-104	Records and Publications	3
AVM-105	Aircraft Drawing-Weight & Balance	3
AVM-106	Cleaning and Corrosion Control	3
AVM-241	Aircraft Finishing and Covering	3
AVM-242	Cabin Atmosphere Control Systems	2
AVM-243	Aircraft Welding	1
AVM-244	Aircraft Auxiliary Systems	1
AVM-245	Aircraft Electrical Systems	3
AVM-246	Aircraft Instrument and Communication Systems	2
AVM-247	Aircraft Metal Structures	6
AVM-248	Hydraulic & Pneumatic Control Systems	3
AVM-249	Aircraft Fuel Systems	1
AVM-250	Assembly and Rigging	3
AVM-251	Landing Gears Systems	3
AVM-252	Airframe Inspection	2

Total Credit Hours: 47

Powerplant Technician Certificate #7203

Course Requirements

AVM-101	Materials and Processes	3
AVM-102	Basic Electricity	3
AVM-103	Aviation Mathematics and Physics	2
AVM-104	Records and Publications	3
AVM-105	Aircraft Drawing-Weight & Balance	3
AVM-106	Cleaning and Corrosion Control	3
AVM-160	Fuel and Lubrication Systems	6
AVM-161	Engine Support Systems	3
AVM-162	Basic Powerplants	6
AVM-163	Ignition Systems	3
AVM-164	Advanced Powerplants	6
AVM-165	Engine Electrical Systems	2
AVM-166	Propeller Systems	3

Total Credit Hours: 46

A prerequisite or corequisite may be required for some courses. Refer to the course descriptions section in this catalog for more information.

Business Administration

Business Administration (BUS)

Associate in Applied Science #2100

Total Credit Hours: 65

Program Website:
RockValleyCollege.edu/BusinessAdmin

Program Overview
Graduates of the Business Administration Program will have acquired knowledge and skills of business and leadership which can be applied to entry level jobs. Additionally, graduates of the business program will have the knowledge and skills required to meet the criteria of success for the RVC Student Learning Outcomes.

General Business
Graduates will have acquired a broad knowledge and skill of business and an overview of all general business concepts. Students who choose this focus will be prepared to work in a variety of business positions.

Management
Graduates will have acquired a broad base of business knowledge and skills, management techniques, and leadership skills. Students who choose this focus will be prepared for entry level supervisory positions in a variety of leadership positions.

Marketing
Graduates will learn about the various career paths available in marketing and learn the concepts behind the development of products, pricing, promotion, and distribution. Students who choose this focus will be prepared to work in a variety of entry-level marketing positions in business.

Entrepreneurship
Graduates will learn how the Entrepreneurship Program provides students an understanding of the many facets of entrepreneurship. Students will learn the process of identifying a business opportunity and developing an organization to establish a new venture.

The curriculum will provide students with the proper tools to evaluate the feasibility of a new venture and to identify the available resources for assisting an entrepreneur during the start-up phase of the business. Students taking entrepreneurial courses will become a motivated and valued employee, captain, leader, owner, or manager that understands how to take a problem and turn it into an opportunity. Students will experience the ABC's of starting and managing your own business. Students recognize and understand the difference between a good idea and a real business opportunity. Students investigate and experience the basics of starting a company creates both value and experience that will be used throughout your career, despite the area of interest.

Work and Employment
Graduates of this program are prepared to assume entry level positions or advance their current position in management, marketing, sales, purchasing, finance, and human relations among other areas. In addition, students are encouraged to explore opportunities to transfer and pursue a bachelor degree in Entrepreneurship. The Rock Valley College Business Program has several articulation agreements in place which allow students to transfer credit towards a bachelor degree program. Please make an appointment with an Academic Advisor, the Dean, or Business Academic Chair to discuss appropriate plans of study for transfer options.

Business Administration

ATG-110	Financial Accounting	4
BUS-101	Introduction to Business	3
BUS-103	Business Mathematics, or	
BUS-223	Business Statistics	3
BUS-200	Legal Environment in Business, or	
BUS-201	Business Law	3
BUS-203	Economics for Business	3
BUS-279	Principles of Finance	3
BUS-282	International Business	3
BUS-298	Global Small Business Incubator	3
MGT-270	Principles of Management	3
MKT-260	Principles of Marketing	3
MKT-288	Customer Relations	3
PCI-106	Microcomputer Applications/Windows Based	4

Subtotal: 38

Choose Appropriate Option **Subtotal: 9**

OPTION A: General Business

BUS-105	Consumer Economics and Personal Finance	3
BUS-170	Introduction to Organizational Behavior	3
Electives	*Any Business Division course with prefix ATG, BUS, MGT, MKT, OFF, or PCI*	3

Subtotal: 9

OPTION B: Management

Note: **This option requires BUS 223 Business Statistics instead of BUS 103 Business Mathematics.**

BUS-170	Introduction to Organizational Behavior	3
MGT-271	Human Resource Management	3
MGT-274	Leadership	3

Subtotal: 9

OPTION C: Marketing

MKT-265	Salesmanship	3
MKT-266	Principles of Advertising	3
Electives	*Any Business Division course with prefix ATG, BUS, MGT, MKT, OFF, or PCI*	3

Subtotal: 9

OPTION D: Entrepreneurship

BUS-130	Entrepreneurship Principles	3
BUS-131	Entrepreneurship Planning	3
BUS-230	Entrepreneurship Capstone	3

Subtotal: 9

General Education **Subtotal: 18**

Required Courses

CIS-102	Introduction to Computers and Information Systems	3
ENG-101	Composition I	3
MGT-170	Business Communications	3
SPH-131	Fundamentals of Communication	3

Subtotal: 12

Electives

Students must select courses with at least two different prefixes in the IAI General Education Core Curriculum areas.

(Example: ART, BIO, ECO, ENG, MTH, SOC, etc.) to fulfill general education elective requirements.

Subtotal: 6

Business Program Elective Courses:

BUS-295	Independent Study in Business Administration	1-6
BUS-296	Special Topics in Business Administration	1-6
MGT-281	Women in Management	3
MGT-282	Independent Study in Management	1-3
MGT-283	Internship in Business Management	6
MKT-281	International Marketing	3
MKT-293	Internship - Marketing	1-3
MKT-295	Independent Study in Marketing	1-3

Business Fundamentals Certificate #2114

This certificate is designed for students who are interested in focused course work in business fundamentals. Students will be able to demonstrate to employers a general understanding in the basic areas of business.

Course Requirements

BUS-101	Introduction to Business	3
CIS-102	Introduction to Computers and Information Systems	3
MGT-170	Business Communications	3
MGT-270	Principles of Management	3
MKT-288	Customer Relations	3
STU-103	Workplace Ethics	1

Total Credit Hours: 16

Management Certificate #2511

This certificate in management is intended for individuals who wish to develop or enhance skills in management and supervision.

It offers students the course work required to receive fundamental management skills and prepare students who are interested in mid-to- upper level supervision positions.

Course Requirements

ATG-110	Financial Accounting	4
BUS-101	Introduction to Business	3
MGT-170	Business Communications	3
MGT-270	Principles of Management	3
MGT-274	Leadership	3
MKT-260	Principles of Marketing	3
MKT-288	Customer Relations	3
PCI-106	Microcomputer Applications/Windows Based	4

Students must select one of the following courses for 3 credits:

BUS-170	Introduction to Organizational Behavior	3
MGT-271	Human Resource Management	3
MGT-283	Internship in Business Management	6

Total Credit Hours: 29

Marketing Certificate #2211

This certificate is for students who are interested in marketing and want to acquire specific skills in the areas of sales, advertising and customer relations.

Course Requirements

BUS-101	Introduction to Business	3
MKT-260	Principles of Marketing	3
MKT-265	Salesmanship	3
MKT-266	Principles of Advertising	3
MKT-288	Customer Relations	3
MGT-170	Business Communications	3
SPH-131	Fundamentals of Communication	3

Total Credit Hours: 21

Entrepreneurship Certificate #2105

This certificate is for students who are interested in starting a new business venture and want to acquire specific skills in entrepreneurial activities.

Course Requirements

ATG-110	Financial Accounting	4
BUS-130	Entrepreneurship Principles	3
BUS-131	Entrepreneurship Planning	3
BUS-230	Entrepreneurship Capstone	3
MGT-170	Business Communications	3
MGT-270	Principles of Management	3
MKT-260	Principles of Marketing	3
MKT-288	Customer Relations	3
PCI-106	Microcomputer Applications/Windows Based	4

Note: MGT 274 can replace MKT 260 with Chair approval.

Total Credit Hours: 29

A prerequisite or corequisite may be required for some courses. Refer to the course descriptions 139*section in this catalog for more information.*

Computer Careers

Computers & Information Systems (CIS)
Network System Administration (PCT)
Cybersecurity Specialist (PCT)

Associate in Applied Science – Computers & Information Systems #2700

Total Credit Hours: 64

Program Websites: RockValleyCollege.edu/CISCO, or, RockValleyCollege.edu/ITSecurity

Program Overview
Graduates of the Computers and Information Systems (CIS) Program learn the complexities of computer software, hardware, and programming processes to enable them to be successful in the workplace. For those who decide to pursue a bachelor's degree, the Computers and Information Systems (CIS) Program offers courses that can be successfully transferred to baccalaureate institutions. Students should also consult with an Academic Advisor, the Dean, or Academic Chair of the CIS program.

The CIS Division also offers degrees in Website development and networking. For information on these other A.A.S. degrees, please see the Web Programming & Design, Cisco Networking, or Data Assurance and IT Security programs elsewhere in this A.A.S. degree section of the catalog.

Work and Employment
Although many graduates of the program begin work as entry-level programmers, opportunities are also available as a programmer/ analyst, technical support specialist, PC specialist, operations specialist, and in database support.

Industry Certifications (if applicable)
Course work prepares students for the Java Programmer Level 1 Certification.

CIS Core Requirements

CIS-102	Introduction to Computers and Information Systems	3
CIS-170	Programming Logic & Design	3
CIS-180	Introduction to Visual Basic Programming	4
CIS-240	Introduction to JAVA Programming	4
CIS-254	Database Programming	4
CIS-276	Introduction to C/C++ Programming, or	
CIS-279	Visual C# Programming	4
PCT-110	Network Essentials	3
WEB-101	Programming Related to the Internet	4
WEB-102	Advanced Programming Related to the Internet	4

Subtotal: 33

General Education

ENG-101	Composition I	3
ENG-103	Composition II, or	
MGT-170	Business Communications, or	
ENG-110	Introduction to Technical Writing	3
SPH-131	Fundamentals of Communication	3
MTH-120	College Algebra, or	
MTH-160	Topics from Finite Mathematics, or	
MTH-220	Elements of Statistics	3
BUS-170	Introduction to Organizational Behavior, or	
PSY-170	General Psychology, or	
SOC-190	Introduction to Sociology	3

Subtotal: 15

CIS Electives
With the approval of the CIS Academic Chair, select courses from the following prefixes: CIS, PCT, or WEB.

Subtotal: 16

C/C++ Programming Certificate #2735

Course Requirements

CIS-170	Programming Logic & Design	3
CIS-276	Introduction to C/C++ Programming	4
CIS-277	Advanced C/C++ Programming	4
CIS-279	Visual C# Programming	4

Total Credit Hours: 15

Mobile Application Development Certificate #2755

Course Requirements

CIS-170	Programming Logic & Design	3
CIS-245	Programming Android for Mobile Devices	4
CIS-280	Programming iOS Apple Mobile Devices	4

Total Credit Hours: 11

A prerequisite or corequisite may be required for some courses. Refer to the course descriptions 139*section in this catalog for more information.*

Personal Computer Technical Specialist - PCT

The Personal Computer Technical Specialist area describes a series of specialized computer-related degree programs in some of the most in-demand career fields. They include:

1. Network Administration A.A.S. (also has three certificate-level programs) and
2. Cybersecurity Specialist A.A.S. (also has certificate-level programs).
3. Web Programming and Design A.A.S. (also has two certificate-level programs).

For information on these A.A.S. degrees and certificates, please see program information elsewhere in the Career & Technical Education87 section.

Associate in Applied Science – Network System Administration #3750

Total Credit Hours: 64

Program Websites: RockValleyCollege.edu/CISCO, or, RockValleyCollege.edu/ITSecurity

Program Overview

Graduates of the program are prepared to obtain Cisco's CCNA certification. Students should also consult with an Academic Advisor, the Dean, or Academic Chair of the CIS program.

Work and Employment

Successful graduates have found work as network support specialists, software support specialists, network administrators, system administration, and network specialists among others.

Industry Certifications

Graduates of this program are prepared to obtain any, or all, of the following certifications:

Cisco:	CCENT, CCNA, CCNP
CompTIA:	A+, Security+, Network+
Microsoft:	Microsoft Certified Technology Specialist (MCTS)

Network System Administration **Subtotal: 49**

Core Requirements

CIS-102	Introduction to Computers and Information Systems	3
WEB-101	Programming Related to the Internet	4
PCT-270	Introduction to UNIX/Linux	3

Subtotal: 10

Electives

With the approval of the CIS Academic Chair, select courses with any of the following prefixes: CIS, PCT, or WEB.

Subtotal: 12

Specialization

CIS-276	Introduction to C/C++ Programming	4
PCT-111	Windows Active Directory	3
PCT-112	Windows Server Fundamentals	3
PCT-120	Cisco Networking I	4
PCT-122	Cisco Networking II	4
PCT-124	Cisco Networking III	4
PCT-128	Networking Certification Preparation	2
PCT-262	A+ Essentials	3

Subtotal: 27

General Education

ENG-101	Composition I	3
ENG-103	Composition II, or	
MGT-170	Business Communications, or	
ENG-110	Introduction to Technical Writing	3
SPH-131	Fundamentals of Communication	3
MTH-120	College Algebra, or	
MTH-160	Topics from Finite Mathematics, or	
MTH-220	Elements of Statistics	3
BUS-170	Introduction to Organizational Behavior, or	
PSY-170	General Psychology, or	
SOC-190	Introduction to Sociology	3

Subtotal: 15

Cisco Networking Certificate #3720

Course Requirements

CIS-102	Introduction to Computers and Information Systems	3
PCT-120	Cisco Networking I	4
PCT-122	Cisco Networking II	4
PCT-124	Cisco Networking III	4
PCT-128	Networking Certification Preparation	2

Total Credit Hours: 17

Microsoft Server Admin. Certificate #3725

Course Requirements

PCT-111	Windows Active Directory	3
PCT-112	Windows Server Fundamentals	3
PCT-113	Microsoft Windows Infrastructure	3

Total Credit Hours: 9

Network Technician Certificate #3730

Course Requirements

CIS-102	Introduction to Computers and Information Systems	3
PCT-110	Network Essentials	3
PCT-262	A+ Essentials	3
PCT-270	Introduction to UNIX/Linux	3

Total Credit Hours: 12

A prerequisite or corequisite may be required for some courses. Refer to the course descriptions 139*section in this catalog for more information.*

Associate in Applied Science - Cybersecurity Specialist #3775

Total Credit Hours: 64

Program Websites: RockValleyCollege.edu/CISCO, or, RockValleyCollege.edu/ITSecurity

Program Overview

Graduates of the Cybersecurity Specialist Program are prepared for a career in computer network and Internet security. Responsibilities include developing information security strategies, performing analyses, installing security software, monitoring network traffic, and developing emergency plans.

Work and Employment

With the increased concern over computer security issues, employers are looking for people with skills in this area. Graduates secure jobs such as security specialists, network specialists, security technicians, security support specialists, and security assistants. Students should also consult with an Academic Advisor, the Dean, or Academic Chair of the CIS program.

Industry Certifications

Graduates of this program are prepared to obtain any, or all, of the following certifications:

Cisco:	CCENT, CCNA, CCNP
CompTIA:	A+, Security+, Network+
Microsoft:	Microsoft Certified Technology Specialist (MCTS)

Cybersecurity Specialist **Subtotal: 49**

Core Courses

CIS-102	Introduction to Computers and Information Systems	3
WEB-101	Programming Related to the Internet	4
PCT-270	Introduction to UNIX/Linux	3

Subtotal: 10

Electives

With the approval of the CIS Academic Chair, select courses with any of the following prefixes: CIS, PCT, or WEB.

Subtotal: 12

Specialization

PCT-112	Windows Server Fundamentals	3
PCT-120	Cisco Networking I	4
PCT-122	Cisco Networking II	4
PCT-124	Cisco Networking III	4
PCT-128	Networking Certification Preparation	2
PCT-130	Introduction to Network Security Fundamentals	3
PCT-132	Advanced Network Security	3
PCT-275	Cisco Firewall Design	4

Subtotal: 27

General Education

ENG-101	Composition I	3
ENG-103	Composition II, or	
MGT-170	Business Communications, or	
ENG-110	Introduction to Technical Writing	3

SPH-131	Fundamentals of Communication	3
MTH-120	College Algebra, or	
MTH-160	Topics from Finite Mathematics, or	
MTH-220	Elements of Statistics	3
BUS-170	Introduction to Organizational Behavior, or	
PSY-170	General Psychology, or	
SOC-190	Introduction to Sociology	3

Subtotal: 15

Cisco CCNA Security Certificate #3776

Course Requirements

PCT-130	Introduction to Network Security Fundamentals	3
PCT-132	Advanced Network Security	3
PCT-275	Cisco Firewall Design	4

Total Credit Hours: 10

A prerequisite or corequisite may be required for some courses. Refer to the course descriptions 139*section in this catalog for more information.*

Criminal Justice

Criminal Justice (CRM)

Associate in Applied Science #7800

Total Credit Hours: 66

Limited Transferability
Program Website:
RockValleyCollege.edu/CriminalJustice

Program Overview
Graduates of the Criminal Justice (CRM) Program meet the minimum educational requirements necessary to complete for sworn positions at most local and state law enforcement agencies as well as, private security firms. With experience and additional training or education, there are opportunities for graduates to advance into areas of specialization and management.

Work and Employment
Opportunities include positions in law enforcement, crime prevention, probation, corrections, court records, communications/dispatch, and security/loss prevention.

More about the Program
It is important for students to consider their career goals when they begin course work in the Criminal Justice Program. Since the degree is also designed for limited transfer to select four-year schools, future educational plans should be considered when building course schedules. Some students have career and academic plans that are more directed towards transfer to a four-year school to earn a Bachelor's degree in a Criminal Justice related field. For these students, completion of RVC's Criminal Justice A.A.S. degree may not be the best choice. Instead, these students should consider completion of an Associate of Arts degree at Rock Valley College, using selected transferable courses from the CRM curriculum as electives toward the degree. Courses from the Criminal Justice A.A.S. curriculum that are transferable to a four-year degree are indicated with the symbol "+" in the program curriculum description that follows.

For more information about the Criminal Justice Program, contact an Academic Advisor or the Department of Sociology & Criminal Justice (815) 921-3317.

Criminal Justice **Subtotal: 42**

Core Requirements

CRM-105	Police Report Writing	3
CRM-120	Criminal Investigation	3
CRM-125	Criminal Procedure and Civil Rights	3
CRM-127	Ethics in Law Enforcement	3
CRM-225	Juvenile Procedures	3
CRM-281	Rules of Evidence	3
CRM-282	Interviews and Interrogations	3
CIS-102	Introduction to Computers and Information Systems	3

Subtotal: 24

CRM 120, CRM 225, and CIS 102 courses are typically accepted for transfer.

Electives - Select 18 credits from the following:

CRM-101	Introduction to Criminal Justice	3
CRM-102	Introduction to Probation and Parole	3
CRM-103	Introduction to Corrections	3
CRM-104	Introduction to Private Security	3
CRM-210	Criminal Law	3
CRM-260	Police Organization and Administration	3
CRM-271	Patrol Procedures	3
CRM-283	Special Topics in Police Science	1-4
CRM-291	Internship	1-6

Subtotal: 18

CRM 101 and CRM 210 are typically accepted for transfer.

General Education

ENG-101	Composition I	3
SPH-201	Interpersonal Communication	3
PSC-160	American National Government	3
PSC-161	State and Local Government	3
PSY-170	General Psychology	3
SOC-190	Introduction to Sociology	3
SOC-291	Criminology	3
FWS-265	Personal Fitness and Wellness	3

Subtotal: 24

A prerequisite or corequisite may be required for some courses. Refer to the course descriptions 139*section in this catalog for more information.*

Dental Hygiene

Dental Hygiene (DNT)

Associate in Applied Science #5100

Total Credit Hours: 82

Limited Transferability
Program Website:
RockValleyCollege.edu/DentalHygiene

Program Mission Statement
The RVC Dental Hygiene Program is committed to providing the highest quality education while fostering a learning environment that develops critical thinking and problem solving skills. The Program prepares students to be ethically responsible and clinically competent to enter the workforce as an entry-level dental hygienist. The Program offers an Associate in Applied Science degree with a curriculum facilitating transition toward a Baccalaureate degree. The Program strives to address the oral health needs of a diverse community by providing quality dental hygiene care in a cost- efficient manner.

Program Overview
Graduates of this program have acquired skills to provide care that supports optimal oral health, including educational, clinical and therapeutic services. Skills are mastered through classroom, laboratory and clinical experiences to provide well-rounded career preparation.

Work and Employment
A career in dental hygiene offers opportunities in multiple settings. Registered Dental Hygienists are part of a dental health team. Dental hygienists work in private and corporate dental offices, where they provide treatment and services that help to prevent oral disease such as dental caries and periodontal disease and educate the client about maintenance of optimal oral health. They also work in hospitals, nursing homes, extended care facilities, schools, correctional facilities, health maintenance organizations and higher education institutions where they serve as faculty members.

Professional Credential and Program Accreditation
Graduates are eligible to take two board exams that lead to state licensure. The program is fully accredited by the Commission on Dental Accreditation (CODA) under the auspices of the American Dental Association (ADA).

Admission to the Program
Admission is selective and competitive. All required documents must be submitted to the Dental Hygiene Program office on or before February 15th to be reviewed for admission for the fall semester. The Dental Hygiene Program holds information sessions that cover prerequisites and other important admission information.

Attendance of a session is required to receive an application packet for the program.

For details on scheduling to attend an information session, register online at: RockValleyCollege.edu/DentalHygiene; click on Information Sessions. Please see the RVC Dental Hygiene website for additional Dental Hygiene Program admission policies.

Prerequisite Courses - requirements
If accepted into the program, the following courses or equivalencies must be completed before starting this program.

1. A prerequisite GPA of 2.5.
2. **Biology:** BIO 281/282 – Human Anatomy and Physiology I/II, or equivalent and BIO 274 – Microbiology. Completion of BIO 282 within 5 years. BIO 281/282 must meet a minimum of 2.5 GPA.
3. **Chemistry:** CHM 110/210 – General, Organic and Biochemistry I/II, or CHM 120 – General Chemistry I, or equivalent Chemistry course with lab.
4. **Communications:** ENG 101– Composition I, or equivalent.
5. **Fitness, Wellness & Sport:** FWS 237 – Nutrition for Optimum Living (3 credits as a prereq that must be completed within one year of entering the program).
6. All prerequisites must be completed with a "C" or higher, unless noted above.

Program of Study **Subtotal: 82**

Prerequisite General Education

BIO-281	Human Anatomy and Physiology I	4
BIO-282	Human Anatomy and Physiology II	4
BIO-274	Microbiology	4
CHM-210	General, Organic and Biochemistry II, or	
CHM-120	General Chemistry I	4
ENG-101	Composition I	3
FWS-237	Nutrition for Optimum Living	3

Subtotal: 22

General Education

PSY-170	General Psychology	3
SOC-190	Introduction to Sociology	3
SPH-131	Fundamentals of Communication	3
Elective	Humanities / Fine Arts (IAI)	3

Subtotal: 12

Dental Hygiene Core **Subtotal: 48**

Term I, Fall

DNT-102	Preventive Dental Hygiene	2
DNT-104	Dental Anatomy, Histology, and Embryology	3
DNT-106	Head and Neck Anatomy	3
DNT-108	Pre-Clinical Dental Hygiene Theory	2
DNT-109	Pre-Clinical Dental Hygiene Lab	2

Subtotal: 12

Term II, Spring

DNT-112	Clinical Dental Hygiene I	2
DNT-113	Dental Hygiene Theory I	1
DNT-114	General and Oral Pathology	3
DNT-116	Dental Radiology Theory	2
DNT-117	Dental Radiology Lab	1
DNT-118	Dental Pharmacology	2
DNT-120	Introduction to Periodontics I	2

Subtotal: 13

Term III, Summer II

DNT-210	Dental Materials Theory	2
DNT-211	Dental Materials Lab	1
DNT-212	Clinical Interim	1.5

Subtotal: 4.5

Term IV, Fall

DNT-208	Dental Hygiene Pain Management Theory	2
DNT-209	Dental Hygiene Pain Managment Lab	0.5
DNT-214	Periodontics II	2
DNT-216	Clinical Dental Hygiene II	3
DNT-217	Dental Hygiene Theory II	1
DNT-220	Community Dental Health	2
DNT-221	Community Dental Health Practicum	1

Subtotal: 11.5

Term V, Spring

DNT-223	Dental Ethics, Jurisprudence, and Practice Management	2
DNT-224	Clinical Dental Hygiene III	3
DNT-225	Dental Hygiene Theory III	2

Subtotal: 7

A prerequisite or corequisite may be required for some courses. Refer to the course descriptions 139*section in this catalog for more information.*

Early Childhood Education

Early Childhood Education (ECE)

Associate in Applied Science #5500

Total Credit Hours: 64

Program Website: RockValleyCollege.edu/ECE

Program Overview
Graduates of the Early Childhood Education (ECE) Program are well- versed in child development, developmentally appropriate practices, discipline techniques, and other integral facets of early childhood education. Students will be prepared to direct or teach at a day care center or preschool.

Enrollment in courses requires weekly field assignments as well as a complete medical examination, TB skin test, State background checks, and three (3) written references.

Work and Employment
Opportunities exist in home-based care, day care centers, nursery schools, preschools, private homes, and at before or after-school programs. While the program is not preparation for state certification, courses may transfer to four-year schools, where certification can be earned to teach ages birth through third grade. Students should also consult with an Academic Advisor, the Dean, or Academic Chair of the ECE program.

Early Childhood Education

ECE-100	Introduction to Early Childhood Education	3
ECE-101	The Developing Child	3
ECE-103	Health, Safety, and Nutrition for Young Children	3
ECE-104	Large Muscle Development	2
ECE-105	Observation and Assessment of Young Children	3
ECE-106	Music for the Young Child	3
ECE-107	Science for the Young Child	2
ECE-108	Art for the Young Child	3
ECE-201	Language Development	3
ECE-202	Child, Family, and Community	3
ECE-113	Infant and Toddler Curriculum, or	
ECE-203	Curriculum Planning for the Young Child	3
ECE-204	Internship-Child Care	4
ECE-205	Organization and Supervision of Early Childhood Facilities	3
ECE-206	Mathematics for the Young Child	2

Subtotal: 40

General Education

BIO	Elective	3
ENG-101	Composition I	3
PSY-170	General Psychology	3
EDU-244	Students with Disabilities in Schools	3
PSY-270	Life-Span Developmental Psychology, or	
SOC-190	Introduction to Sociology	3
SOC-299	Sociology of the Family, or	
EDU-202	Children's Literature	3
SPH-131	Fundamentals of Communication	3
Electives	*Select 3 credits from the following course prefixes/Divisions. CIS, HUM, Social Sciences, Mathematics, or Science electives.*	3

Subtotal: 24

Early Childhood Educator Certificate #5501

Gateways Level 3 Credential

Course Requirements

ECE-100	Introduction to Early Childhood Education	3
ECE-101	The Developing Child	3
ECE-103	Health, Safety, and Nutrition for Young Children	3
ECE-105	Observation and Assessment of Young Children	3
ECE-202	Child, Family, and Community	3
ECE-203	Curriculum Planning for the Young Child	3
ECE-210	Math and Science for Young Children	3
ENG-101	Composition I	3
PSY-170	General Psychology	3
STU-103	Workplace Ethics	1

Total Credit Hours: 28

Early Childhood Educator Assistant Certificate #5511

Gateways Level 2 Credential

Course Requirements

ECE-100	Introduction to Early Childhood Education	3
ECE-101	The Developing Child	3
ECE-103	Health, Safety, and Nutrition for Young Children	3
ECE-105	Observation and Assessment of Young Children	3
ECE-202	Child, Family, and Community	3
ECE-203	Curriculum Planning for the Young Child	3
STU-103	Workplace Ethics	1

Total Credit Hours: 19

A prerequisite or corequisite may be required for some courses. Refer to the course descriptions 139*section in this catalog for more information.*

Electronic Engineering Technology

Electronic Engineering Technology (EET)

Associate in Applied Science #8400

Total Credit Hours: 65

Program Website: RockValleyCollege.edu/EET

Program Overview
Graduates of the Electronic Engineering Technology (EET) Program have the necessary skills to use electronic test equipment to make measurements, understand electrical schematics and blueprints, analyze electronic circuits, understand fundamental design concepts, and relate the principles of electrical circuits to hydraulic circuits and pneumatics. The graduates are ready to support manufacturing, design test equipment, produce and test products, and to assist in product development.

Work and Employment
Successful graduates secure positions as test equipment designers, quality assurance and reliability specialists, sales and service professionals, control system technicians, medical equipment experts, or as part of a manufacturing support team.

Industry Certifications (if applicable)
Students are positioned to prepare to take the Electronics Technicians Association, International certification examination to become an Associate Electronics Technician. Students can also earn a Fanuc robotics certification.

Hands-On Learning
Most EET classes include a hands-on laboratory component taught by instructors with experience. Students will learn how to use electronic test equipment including oscilloscopes, function generators, and digital multimeters.

Transfer Opportunities
EET graduates have the option to pursue a baccalaureate degree from Northern Illinois University and other select universities. Students are advised to contact the institution to which they plan to transfer to assess course transfer credit availability. Students should also consult with an Academic Advisor, the Dean, or the Academic Chair of the EET program.

Electronic Engineering Technology Subtotal: 65
Note: *A grade of "C" or higher is required in the core requirements and technical electives.*

Core Requirements

CIS-102	Introduction to Computers and Information Systems	3
EET-100	Introduction to Electronics	3
EET-135	Digital Electronics	4
EET-141	DC/AC Circuits and Electronics I	4
EET-142	DC/AC Circuits and Electronics II	4
EET-219	Electric Motors, Controls, and Variable Speed Drives	3
EET-239	Programmable Logic Controllers (PLCs)	3
EET-254	Robotics and Automated Systems	3
EET-282	EET Capstone Project	3
EET-298	EET Seminar	3
MET-100	Introductory CAD and Print Reading	3
MET-133	Graphics/SolidWorks CAD I	3
MET-146	Hydraulics, Pneumatics and PLCs	3
MET-162	Applied Physics	4

Subtotal: 46

Electives: Select 3 credits from the following

EET-105	Introduction to Sustainable Energy	3
EET-107	Introduction to Codes and Standards	3
EET-125	Electronics Fabrication Skills	2
EET-168	Electronic Engineering Technology Internship	1-6
EET-190	Sustainable Electrical Energy Generation	3
EET-240	DC/AC Circuits and Electronics III	4
EET-242	Sensors, Transducers, and Signal-Conditioning	3
EET-245	Control Systems	3
EET-275	Wireless Electronics	3
EET-251	Microcontrollers and Interfacing	4
EET-277	Geothermal, Solar Heating, and Lighting	3
EET-285	Introduction to Digital Signal Processing	3
EET-299	Special Topics in Electronic Engineering Technology	1-6

Subtotal: 3

General Education **Subtotal: 16**

Required General Education

ENG-101	Composition I	3
ENG-110	Introduction to Technical Writing, or	
SPH-131	Fundamentals of Communication	3
MTH-125	Plane Trigonometry, or	3
MTH-132	College Algebra and Trigonometry, or	5
MTH-100	Technical Mathematics	5

Subtotal: 9

General Education Electives **Subtotal: 7**

Science Elective

Select 4 credits from the following list of courses

PHY-201	Mechanics and Heat	5
CHM-105	Chemistry and Society	4
CHM-120	General Chemistry I	4
BIO-103	Introductory Life Science	3
	And	
BIO-104	Introductory Life Science Laboratory	1
BIO-106	Environmental Biology	3
	And	
BIO-107	Environmental Biology Laboratory	1

Subtotal: 4

Liberal Arts Elective

Select 3 credits from the General Education Core Curriculum (GECC) / IAI approved areas

*(Example: ART, ECO, ENG, HUM, LIT, MUS, PHL, SOC, etc., **see GECC list.)***

Subtotal: 3

Basic Electronics Certificate #8414

Course Requirements

EET-100	Introduction to Electronics	3
EET-141	DC/AC Circuits and Electronics I	4
EET-135	Digital Electronics	4
CIS-102	Introduction to Computers and Information Systems	3
MTH-100	Technical Mathematics, or	5
MTH-132	College Algebra and Trigonometry, or	5
MTH-125	Plane Trigonometry	3

Total Credit Hours: 17

A prerequisite or corequisite may be required for some courses. Refer to the course descriptions 139*section in this catalog for more information.*

Fire Science

Fire Science (FRE)

Associate in Applied Science #7500

Total Credit Hours: 64

Limited Transferability
Program Website: RockValleyCollege.edu/FireScience

Program Overview
Graduates of Rock Valley College's Fire Science program are prepared to enter a career in the fire service or expand their current fire service professional options. Students will gain knowledge in a wide variety of subjects including, Fire Suppression, Building Construction, Rescue Practices, Hazardous Materials, Fire Prevention & Protection, Emergency Medical Services, and Fire Service Leadership. The Fire Science Program at RVC offers two learning opportunities for students:

- **Apprenticeship Sequence:** Aimed at college students with no previous firefighting experience. This option prepares students for an entry level position on a fire department; instruction includes classroom lecture, practical firefighting training, and an internship with an area fire department.
- **Non-Apprenticeship Sequence:** Intended for firefighters who wish to expand their knowledge base and enhance current skills for personal growth and/or advancement while earning a degree.

Work and Employment
Graduates have secured positions in firefighting, fire protection and prevention, fire service instruction, dispatch/communications, fire equipment and manufacturing sales, emergency medical services, and volunteer fire protection. With additional training, graduates may enter into a variety of fire service specialty fields such as fire inspection and fire investigation.

More about the Program
Illinois currently allows for educational preference points for those applicants who possess an A.A.S. degree in Fire Science. While most fire departments follow standard hiring practices, each fire department may have specific requirements and/or practices. Interested students should consult with the Fire Science Program Coordinator or an Academic Advisor.

Transfer Opportunities
Graduates of this program may transfer to Southern Illinois University Carbondale (SIUC) to pursue the Bachelor of Science B.S. in Public Safety Management. Students are advised to contact SIUC's program representative at: siufire@siu.edu.

Apprenticeship Sequence **Subtotal: 48**
Intended for traditional college *students*

Semester I - FALL

FRE-101	Introduction to Fire Protection	3
FRE-104	Fire Behavior and Combustion	3
FRE-223	Emergency Medical Technician/Basic	9

Semester II - SPRING

FRE-106	Rescue Practices	3
FRE-118	Building Construction for Fire Protection	3
FRE-208	Fire Prevention Principles	3

Semester III - FALL

FRE-103	Hazardous Materials Operations	3
FRE-180	Essentials of Firefighting I	3
FRE-181	Essentials of Firefighting II	3
FRE-182	Essentials of Firefighting III	3
FRE-209	Fire Protection Systems	3

Semester IV - SPRING

FRE-102	Fire Apparatus Engineer	3
FRE-205	Principles of Fire and Emergency Services Safety & Survival	3
FRE-240	Fire Protection Internship	1-6

Non-Apprenticeship Sequence **Subtotal: 48**
Intended for fire service personnel.

Escrow credit will be given for Basic Operations Firefighter and Emergency Medical Technician certification.

Basic Operations Firefighter	9
Emergency Medical Technician	9

Semester I - FALL

FRE-101	Introduction to Fire Protection	3
FRE-104	Fire Behavior and Combustion	3

Semester II - SPRING

FRE-106	Rescue Practices	3
FRE-118	Building Construction for Fire Protection	3
FRE-205	Principles of Fire and Emergency Services Safety & Survival	3
FRE-208	Fire Prevention Principles	3

Semester III - FALL

FRE-209	Fire Protection Systems	3

Nine (9) credit hours will be taken from the following list of courses:

FRE-103	Hazardous Materials Operations	3
FRE-112	Vehicle/Machinery Rescue Operations	3
FRE-210	Fire Investigation	3
FRE-215	Introduction to Strategy and Tactics	3
FRE-218	Instructor I	3
FRE-219	Instructor II	3
FRE-250	Special Topics in the Fire Service	1-4

General Education

Required General Education Courses*:*

ENG-101	Composition I	3
SPH-131	Fundamentals of Communication	3
MTH-100	Technical Mathematics (or higher)	5
PSY-170	General Psychology, or	
SOC-190	Introduction to Sociology	3
CHM-105	Chemistry and Society	4

Subtotal: 16

Select one course with a lab from the Life Sciences or Physical Sciences area. ***Note: CHM 105 is strongly recommended.***

Basic Operations Firefighter Certificate #7501

Course Requirements

FRE-103	Hazardous Materials Operations	3
FRE-106	Rescue Practices	3
FRE-112	Vehicle/Machinery Rescue Operations	3
FRE-180	Essentials of Firefighting I	3
FRE-181	Essentials of Firefighting II	3
FRE-182	Essentials of Firefighting III	3
FRE-240	Fire Protection Internship	1-6

Total Credit Hours: 21

Foundation of the Fire Service Certificate #7521

Course Requirements

FRE-101	Introduction to Fire Protection	3
FRE-106	Rescue Practices	3
FRE-118	Building Construction for Fire Protection	3
FRE-208	Fire Prevention Principles	3

Total Credit Hours: 12

Emergency Medical Technician Certificate #7535

Course Requirements

FRE-223	Emergency Medical Technician/Basic	9

Total Credit Hours: 9

A prerequisite or corequisite may be required for some courses. Refer to the course descriptions 139*section in this catalog for more information.*

Disclaimer:

All students entering into the Fire Science Degree program as of Fall 2019 will follow the curriculum shown above. Students who entered the Fire Science Program prior to Fall 2019 will follow the curriculum as listed in their catalog.

Fitness, Wellness, and Sport

Fitness, Wellness, & Sport (FWS)

Associate in Applied Science #9000

Total Credit Hours: 64

Program Website: RockValleyCollege.edu/FWS

The Fitness, Wellness, and Sport (FWS) degree in Exercise Science or Sport Management provides students with the educational and practical experiences needed to obtain employment in sport, recreation, exercise, or fitness organizations. All students learn about the psychological, sociological and historical aspects of sport and exercise. Students interested in the Exercise Science option complete coursework focusing on the scientific aspects of human performance. Students interested in the Sport Management option complete coursework focusing on the business, marketing, promotions, programming and facilities aspects of sport and exercise. The A.A.S. degree in FWS can be completed in as little as two years.

Work and Employment
Students who pursue a degree in FWS will have the necessary knowledge and skills to obtain an entry-level position in sport, recreation, exercise, or fitness organizations. Exercise Science students may seek employment as personal fitness trainers, sports performance trainers, group exercise instructors, or fitness technicians. Sport Management students may seek employment in sport or recreation management, programming, facilities, marketing, sales or maintenance. The FWS department maintains a network of connections with several local fitness, wellness, and sport agencies looking for part- and full-time employees.

Transfer Opportunities
Graduates of the program have the option to transfer their degree to various universities to pursue a bachelor degree in Kinesiology, Exercise/Sport Science, Sport Management, or other related fields in order to enhance their earnings potential. The FWS department at RVC currently maintains transfer agreements for Exercise Science and Sport Management programs at Northern Illinois University and Rockford University. Students interested in transferring to these programs should consult the FWS department chair.

Practicum Experiences
Students who pursue a degree in FWS will have the opportunity to complete a variety of job shadowing experiences with any of the following professional agencies – Rockford Icehogs, Rockford Convention & Visitors Bureau, Rockford Park District, Rockford Boys & Girls Club, YMCA of Rock River Valley, and NorthPointe Wellness.

Certificates also Available
The FWS certificates in Personal Training and Coaching Education provide students with the educational and practical experiences needed to prepare for certification as qualified personal trainers or athletic coaches. In many cases, either of these certifications may be required by an employer. Most of the courses required for the certificates also apply toward the FWS degree options, giving students several options to meet their educational and career goals. Each 24-credit hour certificate can be completed in as little as three consecutive semesters.

The Personal Training Certificate prepares students to successfully complete the National Strength & Conditioning Association's Certified Personal Trainer (NSCA-CPT) exam or other national personal training certifications. The RVC Personal Training certificate program is an approved NSCA-CPT Education Recognition Program, which provides students with discounted certification exam fees. Students will complete an internship training RVC employees under the direct supervision of FWS staff. Personal Training Certificate students may seek employment as a personal trainer in private health clubs, public fitness centers, college/university fitness centers or personal fitness studios.

The Coaching Education Certificate helps students obtain the American Sport Education Program's (ASEP) coaching certification. The ASEP coaching certification is required by the Illinois High School Association (IHSA) for high school coaches who are not certified teachers. The RVC Coaching Education certificate program is an approved IHSA coaching education classroom certification program. Students will complete an internship with the athletic department of one of the following local organizations – Rockford School District, Harlem School District, Belvidere School District, or an approved program of the student's choice. Coaching Education Certificate students may seek employment as an assistant or head coach at all levels between youth sports and high school varsity sports.

General Education

ENG-101	Composition I	3
ENG-103	Composition II	3
SPH-131	Fundamentals of Communication	3
PSY-170	General Psychology	3
Choose one of the following…		
MTH-220	Elements of Statistics, or	3
MTH-120	College Algebra, or	3
MTH-132	College Algebra and Trigonometry, or	5
MTH-135	Calculus with Analytic Geometry I, or	5
MTH-160	Topics From Finite Mathematics, or	3
MTH-211	Calculus for Business and Social Science	4

MTH 220 Recommended.

Subtotal: 15

FWS Core

FWS-255	Sociology of Sport	3
FWS-258	Sport and Exercise Psychology	3

Subtotal: 6

Other Requirements* - choose one of the following

General Education requirement (IAI/GECC course), or		3
FWS-256	History of Physical Education and Sport	3

**See FWS advisor to determine the best option.*

Subtotal: 3

Work-Based Learning

FWS-270	FWS Practicum I	1-3
FWS-271	FWS Practicum II	1-3
FWS-272	FWS Practicum III	1-3

Subtotal: 3

Select Courses from Either Track 1 or Track 2:

Track 1: Exercise Science

BIO-103	Introductory Life Science	3
BIO-104	Introductory Life Science Laboratory	1
CHM-110	General, Organic and Biochemistry I	4
BIO-185	Foundations of Anatomy and Physiology	5
FWS-231	Contemporary Health Issues, or	
FWS-233	Community Health, or	
FWS-235	Alcohol and Drug Education	3
FWS-243	First Aid, General Safety, CPR and AED, or	
FWS-254	ASEP Sport First Aid and CPR	3
FWS-260	Introduction to Exercise Science	3
FWS-261	Nutrition for Fitness and Sport	3
FWS-263	Nutrition, Exercise and Weight Control	3
FWS-266	Personal Training I - Concepts and Applications	3
FWS-267	Personal Training II - Concepts and Application	3

Select 3 credit hours from the following:

FWS-110	Fitness Walking	1
FWS-113	Low Impact Aerobics	1
FWS-116	Step Aerobics	1
FWS-119	Cardio Kickboxing	1
FWS-121	Cardiovascular Fitness and Conditioning	1
FWS-126	Beginning Weight Lifting	1
FWS-127	Advanced Weight Lifting	2
FWS-128	Sports Performance Fitness	1

Subtotal: 37

Track 2: Sport Management

General Education Elective (IAI/GECC course)		3
BIO-103	Introductory Life Science	3
BIO-104	Introductory Life Science Laboratory	1
ECO-110	Principles of Economics: Macro	3
ECO-111	Principles of Economics: Micro	3
FWS-250	Introduction to Sport Management	3
FWS-243	First Aid, General Safety, CPR and AED, or	
FWS-254	ASEP Sport First Aid and CPR	3
BUS-101	Introduction to Business	3
BUS-201	Business Law	3
ATG-110	Financial Accounting	4
ATG-111	Managerial Accounting	4

Select 4 credit hours from the following:

FWS-110	Fitness Walking	1
FWS-113	Low Impact Aerobics	1
FWS-116	Step Aerobics	1
FWS-119	Cardio Kickboxing	1
FWS-121	Cardiovascular Fitness and Conditioning	1
FWS-126	Beginning Weight Lifting	1
FWS-127	Advanced Weight Lifting	2
FWS-128	Sports Performance Fitness	1

Subtotal: 37

Coaching Education Certificate #9010

(IHSA Coaching Certification program)
The FWS Coaching Education certificate program is an IHSA- approved Coaching Certification program. Successful completion of these courses satisfies the minimum IHSA coaching certification requirements.

Course Requirements

FWS-126	Beginning Weight Lifting	1
FWS-127	Advanced Weight Lifting	2
FWS-235	Alcohol and Drug Education	3
FWS-253	Introduction to Coaching (ASEP)	3
FWS-254	ASEP Sport First Aid and CPR	3
FWS-255	Sociology of Sport, or	
FWS-256	History of Physical Education and Sport	3
FWS-258	Sport and Exercise Psychology	3
FWS-261	Nutrition for Fitness and Sport	3
FWS-276	Athletic Coaching Internship	3

Total Credit Hours: 24

Personal Training Certificate #9020

(NSCA Education Recognition Program)
The FWS Personal Training certificate program is a National Strength & Conditioning Association's (NSCA) Education Recognition Program. Successfully completing this certificate program will prepare students to take the NSCA's Certified Personal Trainer exam.

Course Requirements

FWS-126	Beginning Weight Lifting	1
FWS-127	Advanced Weight Lifting	2
FWS-243	First Aid, General Safety, CPR and AED, or	
FWS-254	ASEP Sport First Aid and CPR	3
FWS-258	Sport and Exercise Psychology	3
FWS-261	Nutrition for Fitness and Sport	3
FWS-263	Nutrition, Exercise and Weight Control	3
FWS-266	Personal Training I - Concepts and Applications	3
FWS-267	Personal Training II - Concepts and Application	3
FWS-275	Personal Training Internship	3

Total Credit Hours: 24

A prerequisite or corequisite may be required for some courses. Refer to the course descriptions 139*section in this catalog for more information.*

Graphic Arts Technology Career Programs

Associate in Applied Science – Graphic Design #8225

Total Credit Hours: 67

Program Website: RockValleyCollege.edu/GAT

Program Overview

In the Graphic Design Program, you will study the concepts of drawing and design, typography, color theory, print processes, digital photography, illustration, page layout, marketing and advertising.

In addition, you will learn to work within budget and time constraints, prepare electronic files for printing, choose appropriate printing and paper supplies, interpret and evaluate criticism of design and present a creative rationale to a client.

Work and Employment

The Graphic Design Program prepares students for entry-level positions such as graphic designer, graphic artist or production artist. Students should also consult with an Academic Advisor, the Dean, or Academic Chair of the GAT program.

Graphic Design Core Requirements

GAT-101	Introduction to Graphic Arts Technology	4
GAT-110	Introduction to Photoshop	2
GAT-115	Introduction to Illustrator	2
GAT-178	Fundamentals of Desktop Publishing	3
GAT-190	Image Generation and Output	2
GAT-215	Advanced Illustrator	2
GAT-220	Advanced Photoshop for the Graphic Arts Industry	3
GAT-241	Intermediate Desktop Publishing	4
GAT-242	Advanced Desktop Publishing	3
GAT-255	Color System Management, or	
ART-104	Color Theory	3

Subtotal: 28

General Education

ENG-101	Composition I	3
MTH-115	General Education Mathematics, or	
MTH-120	College Algebra	3
ENG-103	Composition II, or	
SPH-131	Fundamentals of Communication	3
BIO-106	Environmental Biology	3
BIO-107	Environmental Biology Laboratory	1
PSY-170	General Psychology, or	
SOC-190	Introduction to Sociology	3

Subtotal: 16

Graphic Design Emphasis #8225

ART-101	Drawing & Composition I	3
ART-102	Drawing & Composition II	3
ART-103	Design I	3
BUS-101	Introduction to Business	3
GAT-150	Typography	2
GAT-168	Graphic Arts Technology Internship, or	1-6
GAT	Elective, or	3
ART	Elective	3
MKT-260	Principles of Marketing	3
WEB-225	Digital Photography	3

Subtotal: 23

Prepress Certificate #8201

Course Requirements

GAT-101	Introduction to Graphic Arts Technology	4
GAT-110	Introduction to Photoshop	2
GAT-115	Introduction to Illustrator	2
GAT-168	Graphic Arts Technology Internship, or	1-6
GAT	Elective	2
GAT-178	Fundamentals of Desktop Publishing	3
GAT-220	Advanced Photoshop for the Graphic Arts Industry	3
GAT-241	Intermediate Desktop Publishing	4
GAT-242	Advanced Desktop Publishing	3

Total Credit Hours: 23

Associate in Applied Science – Cross Media Production #8250

Total Credit Hours: 67

Program Website: RockValleyCollege.edu/GAT

Program Overview
The current trend in printing and publishing companies across the nation is to integrate the use of the one-dimensional medium of print with other multi-dimensional forms of communication. The Cross Media Production course of study involves not only developing graphics and publishing pieces, but also web and television design.

Work and Employment
The Cross Media Production Program of study prepares students for entry- level jobs creating print, marketing, web, and special effects images for printing, marketing and film companies. Students should also consult with an Academic Advisor, the Dean, or Academic Chair of the GAT program.

Cross Media Production Core Requirements

GAT-101	Introduction to Graphic Arts Technology	4
GAT-110	Introduction to Photoshop	2
GAT-115	Introduction to Illustrator	2
GAT-178	Fundamentals of Desktop Publishing	3
GAT-190	Image Generation and Output	2
GAT-215	Advanced Illustrator	2
GAT-220	Advanced Photoshop for the Graphic Arts Industry	3
GAT-241	Intermediate Desktop Publishing	4
GAT-242	Advanced Desktop Publishing	3
GAT-255	Color System Management	3

Subtotal: 28

General Education

ENG-101	Composition I	3
MTH-115	General Education Mathematics, or	
MTH-120	College Algebra	3
ENG-103	Composition II, or	
SPH-131	Fundamentals of Communication	3
BIO-106	Environmental Biology	3
BIO-107	Environmental Biology Laboratory	1
PSY-170	General Psychology, or	
SOC-190	Introduction to Sociology	3

Subtotal: 16

Cross Media Production Emphasis #8250

COM-156	Audio Production I	3
COM-157	Video Production I	3
WEB-101	Programming Related to the Internet	4
WEB-102	Advanced Programming Related to the Internet	4
WEB-225	Digital Photography	3
BUS-101	Introduction to Business	3
MKT-260	Principles of Marketing	3

Subtotal: 23

A prerequisite or corequisite may be required for some courses. Refer to the course descriptions 139*section in this catalog for more information.*

Manufacturing Engineering Technology

Manufacturing Engineering Technology (MET)

Associate in Applied Science #8800

Total Credit Hours: 65

Program Website: RockValleyCollege.edu/MET

Program Overview
Today's manufacturing is impacted by global competition forcing the need to accelerate product design and development. Graduates of this program are prepared for interdisciplinary careers in high-tech manufacturing and industrial technology.

The areas of emphasis are modern design methods, production, and continuous improvement techniques.

Professional Certifications
During completion of course requirements, students will be given an opportunity to test and become certified in the following:

- NIMS CNC Level 1 Certified
- Certified SolidWorks Associate (CSWA)
- Certified SolidWorks Professional (CSWP)

Work and Employment
In addition to the areas of product design, 3-D CAD modeling, process planning, production scheduling, quality technician, and CNC programming and operation, a graduate of this degree may assume responsibilities in automated production, technical sales, and problem solving along with many other areas of today's dynamic world of manufacturing.

Important Information
Graduates of this program are qualified and encouraged to pursue the Society of Manufacturing Engineers (SME) Certified Manufacturing Technologist (CMfgT) certification.

Transfer Opportunities
Graduates may transfer with articulated credit to select universities. Students are advised to contact the institution to which they plan to transfer to ensure course transfer credit availability. Students should also consult with an Academic Advisor, the Dean, or Academic Chair of the MET program.

Note: *A grade of "C" or higher is required in the core requirements and technical electives.*

Core Course Requirements

EET-141	DC/AC Circuits and Electronics I	4
EET-254	Robotics and Automated Systems	3
MET-100	Introductory CAD and Print Reading	3
MET-105	Materials and Processes	3
MET-106	Metrology	3
MET-110	Manufacturing Processes I	3
MET-111	CNC Machine Setup/Operation/Programming	3
MET-133	Graphics/SolidWorks CAD I	3
MET-146	Hydraulics, Pneumatics and PLCs	3
MET-162	Applied Physics	4
MET-217	Applied Statics	3
MET-218	Strength of Materials	3
MET-243	Continuous Improvement in Manufacturing	3
MET-249	MET Capstone Project	3

Subtotal: 44

Electives: Select 6 credits from the following

MET-102	Methods of Statistical Process Control (SPC)	3
MET-220	Mechanisms	3
MET-221	Machine Design	3
MET-226	CNC/CAM Operations I	3
MET-233	Graphics/SolidWorks CAD II	3
MET-237	Design of Experiments	4
MET-240	CNC/CAM Operations II	3
MET-247	Manufacture Methods, Process Planning, and Systems	3
WLD-100	Introduction to Welding	3

Subtotal: 6

General Education

ENG-101	Composition I	3
ENG-103	Composition II, or	
ENG-110	Introduction to Technical Writing	3
MTH-100	Technical Mathematics, or	5
MTH-125	Plane Trigonometry, or	3
MTH-132	College Algebra and Trigonometry	5
MTH-XXX Elective, or		
CHM-XXX Elective		3
SPH-131	Fundamentals of Communication	3

Subtotal: 15

CAD Certificate #8810

Course Requirements

MET-100	Introductory CAD and Print Reading	3
MET-106	Metrology	3
MET-110	Manufacturing Processes I	3

Select 6 credits from the following:

MET-108	Computer Drafting Using AutoCAD	3
MET-118	Intermediate AutoCAD - Production Drafting	3
MET-133	Graphics/SolidWorks CAD I	3
MET-233	Graphics/SolidWorks CAD II	3

Total Credit Hours: 15

CNC Certificate #8820

Course Requirements

MET-100	Introductory CAD and Print Reading	3
MET-106	Metrology	3
MET-110	Manufacturing Processes I	3
MET-111	CNC Machine Setup/Operation/Programming	3
MET-133	Graphics/SolidWorks CAD I	3
MET-226	CNC/CAM Operations I	3
MET-240	CNC/CAM Operations II	3

Total Credit Hours: 21

Basic Quality Certificate #8830

Course Requirements

MET-100	Introductory CAD and Print Reading	3
MET-102	Methods of Statistical Process Control (SPC)	3
MET-106	Metrology	3
MET-110	Manufacturing Processes I	3
MET-243	Continuous Improvement in Manufacturing	3
MET-237	Design of Experiments	4
	Or	
MTH-220	Elements of Statistics	3

Total Credit Hours: 18

Certified Manufacturing Associate Certificate #8840

Course Requirements

MET-100	Introductory CAD and Print Reading	3
MET-106	Metrology	3
MET-110	Manufacturing Processes I	3
MET-111	CNC Machine Setup/Operation/Programming	3

Total Credit Hours: 12

A prerequisite or corequisite may be required for some courses. Refer to the course descriptions 139*section in this catalog for more information.*

Mass Communication Certificates

Media Production Specialist Certificate (MPS) #3950

Program Website: RockValleyCollege.edu/MassCom

Program Overview
Graduates of this 32-credit Certificate Program are prepared to produce a wide range of media projects including multi-format broadcast programs, commercials, public service announcements, narrative and documentary films, and audio products. Graduates of this program are ready to join the world of broadcasting and media creation with a complete Media Production Specialist portfolio in hand.

Work and Employment
Certificate graduates can secure jobs such as videographers, directors, producers, editors, sound engineers, master control operators, and a variety of other media crew positions.

Transfer Opportunities
Most of the courses in this certificate program have IAI transfer codes which will aid the student if they decide to pursue an Associate of Arts (A.A.) degree or a four-year degree. Students should also consult with an Academic Advisor, the Dean, or Academic Chair of the Media Production Specialist certificate program.

Course Requirements

STU-103	Workplace Ethics	1
COM-130	Introduction to Mass Communication	3
COM-140	Writing for Multimedia, or	
COM-208	Screenwriting	3
COM-156	Audio Production I	3
COM-157	Video Production I	3
COM-251	Film History and Appreciation	3
COM-252	International History of Film	3
COM-256	Advanced Audio Production	3
COM-257	Cinematography	3
COM-260	Advanced Post-Production	3
COM-296	Documentary Production, or	
COM-297	Motion Picture Production	3
COM-298	Mass Communication Internship	1-2

Total Credit Hours: 32

Multimedia Journalist Certificate (MMJ) #3975

Program Website: RockValleyCollege.edu/MassCom

Program Overview
Students who complete this 32-credit Multimedia Journalist certificate Program will learn how to write and edit news stories, design and create news web pages, produce audio and video documentaries, and much more. Graduates of this program are ready to join the world of journalism and public relations with a complete Multimedia Journalist portfolio in hand.

Work and Employment
Certificate graduates can secure jobs as news writers, PR representative, editors, researchers, producers, photojournalists, and a variety of other positions.

Transfer Opportunities
Most of the courses in this certificate program have IAI transfer codes which will aid the student if they decide to pursue an Associate of Arts (A.A.) degree or a four-year degree. Students should also consult with an Academic Advisor, the Dean, or Academic Chair of the Multimedia Journalist certificate program.

Course Requirements

STU-103	Workplace Ethics	1
COM-113	Introduction to Public Relations	3
COM-119	News Writing	3
COM-120	News Editing	3
COM-130	Introduction to Mass Communication	3
COM-140	Writing for Multimedia	3
COM-156	Audio Production I	3
COM-157	Video Production I	3
COM-218	Broadcast Performance	3
COM-221	Photojournalism	3
COM-296	Documentary Production	3
COM-298	Mass Communication Internship	1-2

Total Credit Hours: 32

A prerequisite or corequisite may be required for some courses. Refer to the course descriptions 139*section in this catalog for more information.*

Mechatronics

Mechatronics (MEC)

Associate in Applied Science #8700

Total Credit Hours: 60

Program Website: RockValleyCollege.edu/Mechatronics

Program Overview
Mechatronics is the intersection of mechanical systems, electrical systems, control systems, and computer technologies, which allows the creation of "smart" products that improve our lives. Computer-based learning enhances student abilities to problem solve and learn with simulators; hands-on lab class time reinforces skills, safety and career readiness.

Certificate 1 (Fundamentals of Mechatronics) - Courses introduce the beginner to electro-mechanical systems, graphics and print reading, robotic manipulators and concepts of end of arm tooling, gear drives, belt drives, and shaft systems.

Certificate 2 (Advanced Mechatronics) - Courses introduce programmable logic controllers (PLC's), industrial robots and sensors, conveyor systems, control panels, and using prior topics in system-level troubleshooting.

Program Description
Mechatronics courses introduce electro-mechanical systems, pneumatics, hydraulics, print reading, robotics programming, PLC programming, and troubleshooting automated manufacturing systems. Industrial maintenance, manufacturing technicians, and machine builders are areas for employment. Options include certificates in Fundamental of Mechatronics which introduces the beginner to electro-mechanical systems, graphics and print reading, robotic manipulators and concepts of end of arm tooling, gear drives, belt drives, and shaft systems, and Advanced Mechatronics which introduces programmable logic controllers (PLC's), industrial robots and sensors, conveyor systems, control panels, and using prior topics in system-level troubleshooting. The AAS Mechatronics Degree includes additional courses in General Education subjects for English and Speech for proper communication, Math for college-level mathematical skills, and further courses in manufacturing-related disciplines.

Work and Employment
Mechatronics is an emerging field that blends mechanical systems, electrical systems, control systems, and computer technologies to build, operate and maintain advanced manufacturing equipment. The employment opportunities may be referred to as mechatronics technician, industrial maintenance technician, or automation and robotics technician.

Graduates of the Mechatronics program are prepared for employment in areas of industrial maintenance technician, robotics automation technician, industrial maintenance mechanic, electrical maintenance technician, and the application of mechanical and electrical technologies. This includes building, maintaining and troubleshooting automated manufacturing systems, servicing and adjusting industrial robots, writing PLC programming, servicing pneumatic and hydraulic equipment, and monitoring manufacturing safety and quality. Automation and machine builders, warehouse and shipping distribution centers, manufacturing and assembly plants have need for skilled technicians with these varied skills.

Core Requirements

MEC-100	Mechanical Systems I	1
MEC-101	Mechanical Systems II	1
MEC-102	Mechanical Systems III	1
MEC-110	Electrical Systems I	1
MEC-111	Electrical Systems II	1
MEC-112	Electrical Systems III	1
MEC-120	Graphics I	1
MEC-121	Graphics II	1
MEC-122	Graphics III	1
MEC-130	Robotics and Automation I	1
MEC-131	Robotics and Automation II	1
MEC-132	Robotics and Automation III	1
MEC-140	Advanced Manufacturing I	1
MEC-141	Advanced Manufacturing II	1
MEC-142	Advanced Manufacturing III	1
MEC-150	Fundamentals of PLC I	1
MEC-151	Fundamentals of PLC II	1
MEC-152	Fundamentals of PLC III	1
MEC-160	Applications of PLC I	1
MEC-161	Applications of PLC II	1
MEC-162	Applications of PLC III	1
MEC-170	Pneumatics and Hydraulics I	1
MEC-171	Pneumatics and Hydraulics II	1
MEC-172	Pneumatics and Hydraulics III	1
MEC-180	Industrial Robots I	1
MEC-181	Industrial Robots II	1
MEC-182	Industrial Robots III	1
MEC-193	Mechatronics Capstone	3
MET-106	Metrology	3
MET-110	Manufacturing Processes I	3
MET-162	Applied Physics	4
STU-103	Workplace Ethics	1

Subtotal: 44

Elective: Select 3 credits from the following

MET-105	Materials and Processes	3
MET-111	CNC Machine Setup/Operation/Programming	3
MET-226	CNC/CAM Operations I	3
MET-247	Manufacture Methods, Process Planning, and Systems	3
WLD-100	Introduction to Welding	3

Subtotal: 3

General Education Requirements

ENG-101	Composition I	3
SPH-131	Fundamentals of Communication	3
MTH-100	Technical Mathematics, or	5
MTH-125	Plane Trigonometry, or	3
MTH-132	College Algebra and Trigonometry	5

Subtotal: 9

Science Elective

Must take 4 credits from the following courses

BIO-103	Introductory Life Science	3
BIO-104	Introductory Life Science Laboratory	1
BIO-106	Environmental Biology	3
BIO-107	Environmental Biology Laboratory	1
BIO-113	Plants and Society	4
BIO-150	Microbes and Society	3
BIO-152	Microbes and Society Laboratory	1
BIO-201	Fundamentals of Biology I	4
BIO-202	Fundamentals of Biology II	4
AST-202	Introduction to Astronomy	4
ATS-105	Introduction to Atmospheric Science	4
CHM-105	Chemistry and Society	4
CHM-110	General, Organic and Biochemistry I	4
CHM-120	General Chemistry I	4
GEL-101	Introduction to Geology	4
GEL-103	Fossils and Earth History	4
PGE-102	Physical Geography With Lab	4
PGE-102	Physical Geography With Lab	4
PHY-201	Mechanics and Heat	5
PHY-202	Waves/Electrcty/Light & Modern Physics	5

Subtotal: 4

Liberal Arts Elective

Select 3 credits from the General Education Core Curriculum (GECC) / IAI Liberal Arts: ENG, SPH, FRN, GRM, SPN, LIT, PHL, ART, COM, HUM, MUS, THE, ANP, ECO, GEO, HST, PSC, PSY, SOC. See a full list here.

Subtotal: 3

Fundamentals of Mechatronics Certificate #8710

Course Requirements

MEC-100	Mechanical Systems I	1
MEC-101	Mechanical Systems II	1
MEC-102	Mechanical Systems III	1
MEC-110	Electrical Systems I	1
MEC-111	Electrical Systems II	1
MEC-112	Electrical Systems III	1
MEC-120	Graphics I	1
MEC-121	Graphics II	1
MEC-122	Graphics III	1
MEC-130	Robotics and Automation I	1
MEC-131	Robotics and Automation II	1
MEC-132	Robotics and Automation III	1
MEC-140	Advanced Manufacturing I	1
MEC-141	Advanced Manufacturing II	1
MEC-142	Advanced Manufacturing III	1
STU-103	Workplace Ethics	1

Total Credit Hours: 16

Advanced Mechatronics Certificate #8711

Prerequisite of Fundamentals of Mechatronics Certificate Requirements (16 credits) And Advanced Mechatronics Certificate / 8711 (15 credits)

Course Requirements

MEC-150	Fundamentals of PLC I	1
MEC-151	Fundamentals of PLC II	1
MEC-152	Fundamentals of PLC III	1
MEC-160	Applications of PLC I	1
MEC-161	Applications of PLC II	1
MEC-162	Applications of PLC III	1
MEC-170	Pneumatics and Hydraulics I	1
MEC-171	Pneumatics and Hydraulics II	1
MEC-172	Pneumatics and Hydraulics III	1
MEC-180	Industrial Robots I	1
MEC-181	Industrial Robots II	1
MEC-182	Industrial Robots III	1
MTH-120	College Algebra, or	3
MTH-115	General Education Mathematics, or	3
MTH-132	College Algebra and Trigonometry	5

Total Credit Hours: 31

A prerequisite or corequisite may be required for some courses. Refer to the course descriptions 139*section in this catalog for more information.*

Medical Assistant

Medical Assistant (MDA)

Associate in Applied Science #5700

Total Credit Hours: 60

Program Website:
RockValleyCollege.edu/MedicalAssistant

Program Description
A Medical Assistant is a multi-skilled allied health professional who works primarily in ambulatory settings such as medical offices, treatment centers and clinics. The Medical Assistant functions as a member of the health care delivery team by performing a vast array of clinical procedures to facilitate the physician and also works simultaneously in an administrative role. The Medical Assistant is versatile and essential in the smooth workflow of a medical office.

The two year Associate of Applied Science (AAS) Medical Assistant Program at Rock Valley College prepares graduates in the cognitive (knowledge), psychomotor (skills), and affective (behavior) learning domains for the entry level Medical Assistant. The program follows the Medical Assisting Education Review Board (MAERB) core curriculum required by the Commission on Accreditation of Allied Health Education Programs (CAAHEP). Instruction is delivered in the classroom, skills lab, and clinical setting including a final 200-hour non-paid externship in a physician's office.

Upon completion of the program, graduates will be able to:

- Incorporate clinical and theoretical knowledge while safely performing clinical skills efficiently.
- Apply computer skills while entering varying data accurately.
- Prioritize patient care support activities effectively and efficiently.
- Combine varying methods of communication to support patient centered care.
- Demonstrate the professional behaviors in the Medical Assistant profession.

Students who successfully complete the program are eligible to sit for the national certification exam through the American Association of Medical Assistants (AAMA) and earn the credential of CMA-AAMA.

Work and Employment
According to the US Bureau of Labor Statistics, employment of Medical Assistants is projected to grow 18 percent from 2020 to 2030, much faster than the average for all occupations. More Medical Assistants are employed by practicing physicians than any other type of allied health personnel.

Core Requirements

HLT-110	Medical Terminology	2
PHL-153	Medical Ethics	3
OFF-144	Insurance Procedures/Medical Office	1
OFF-147	Coding	4
OFF-245	Introduction to Health Information Technology	3
OFF-250	Health Care Revenue Cycle	3
MDA-101	Introduction to Medical Assisting	4
MDA-102	Patho-Pharmacology for Medical Assistant	3
MDA-103	Medical Assistant Clinical Procedures I	5
MDA-104	Medical Assistant Clinical Procedures II	5.5
MDA-105	Medical Assistant Externship	4
MDA-106	Medical Assistant Seminar	1.5

Subtotal: 39

General Education Requirements

BIO-185	Foundations of Anatomy and Physiology	5
BIO-100	Introductory Human Biology	3
CHM-110	General, Organic and Biochemistry I	4
ENG-101	Composition I	3
SPH-131	Fundamentals of Communication	3
FWS-237	Nutrition for Optimum Living	3

Subtotal: 21

Nursing Programs

Associate Degree Nursing (ADN)

Associate in Applied Science #5400

Total Credit Hours: 71

ADN Program Length: 4 semesters – core nursing
Limited Transfer & Limited Enrollment
Nursing Program Website:
RockValleyCollege.edu/Nursing

Program Overview
The Associate Degree Nursing (ADN) program prepares the graduates to work as entry-level registered professional nurses. Nurses are part of an interdisciplinary healthcare team who work together, each contributing knowledge and skills, unique to their discipline, to treat the patient as a whole. Students master the knowledge and skills specific to nursing over four semesters at RVC through classroom, laboratory and clinical experiences instructed by highly experienced and credentialed nursing faculty. Nursing students will then be prepared to take the NCLEX-RN exam, to receive the national credentials of the Registered Nurse (RN).

Work and Employment
Graduates of the program are highly employable at all three Rockford hospitals as well as Long-Term Care facilities and community organizations. Our graduates have found employment in a variety of healthcare settings, including acute care facilities, long-term care facilities, ambulatory care, home care, hospice care, and community nursing. Specialty areas our graduates work in are: Emergency Rooms, Operating Rooms, Cardiac Catheterizations Labs, Endoscopy, Pediatrics, Mother/Baby, Cardiac Units, Orthopedic Units, ICU/PICU/NICU, General Medical-Surgical Units, Gerontology, and Transport Teams, along with other units.

RN-BSN Partnerships
Currently, local hospitals are requiring new graduates to complete their BSN within 3-5 years after gaining employment in their facilities. RVC Nursing has formed partnerships with five (5) RN-BSN Completion Programs to meet this need. New graduates can work at the local hospitals while completing their BSN and receive tuition reimbursement from their employers. RVC's RN-BSN Completion Program Partners are:

- Indiana-Wesleyan University (IWU) online program
- Northern Illinois University (NIU) hybrid program
- St. Anthony College of Nursing (SACN) hybrid program
- University of IL at Chicago (UIC) online program
- Olivet Nazarene University online program

Information Sessions and Academic Advising
Information Sessions are held four times a semester to explain the details of the RVC Nursing Program. These Information Sessions provide the most up-to-date information about the program and the admission process. Since the educational pathway does not end at RVC, it is mandatory for students to meet with an academic advisor to plan for a seamless transfer to a RN-BSN Completion Program which meets their needs.

Pre-Admission Tests
- ATI TEAS Test and Writing Sample must be completed before the application due dates. Visit the Testing Center website for dates and details: RockValleyCollege.edu/ADNtest.
- Study resources can be found at: **ATITesting.com** and bookstores.

Admission Procedure
All students are required to meet with an Academic Advisor to ensure a successful pathway to the nursing program. Once Admission Criteria has been met, one may submit an application to the Nursing Division office.
- Transfer students: ALL college transcripts must be submitted to the Records Department at the time of RVC enrollment
- Application Deadlines:

– Fall Admissions: Applications are accepted between October 15 & February 15

– Spring Admissions: Applications are accepted between May 15 & August 15

Program Standards and Expectations
The Nursing Program is responsible for providing our community with quality nurses who care for their clients safely. In order to become a quality, safe practicing nurse, students will be required to attend all classes and all clinicals. Clinical experiences require travel to facilities in the college region. Students are expected to provide their own transportation to clinical sites.

All nursing courses require a minimum of "C" 80% or higher to pass. Students who do not earn a "C" or higher

will remediate by course repetition. Only one nursing course repetition is allowed to continue in the Nursing Program. All supporting courses/electives required for the degree must also be completed with a "C" or higher in order to receive the A.A.S. Degree in Nursing.

Criminal Background Check and Drug Testing
Students will undergo a criminal background check and drug testing upon admission to the program. It is possible that a student's criminal background and/or a positive drug test will prevent participation in hospital clinical practice and program completion.

Fees
Physical exam, immunizations/titers, Mantoux test, drug testing, uniform, licensure application, fingerprint background check, and NCLEX-RN exam fees are subject to change.

Licensure
Students who successfully complete the Nursing Program are qualified to sit for the NCLEX-RN exam. Graduates who pass this national licensing exam will earn the title of Registered Nurse (RN).

- Successful completion of the Nursing Program
- Background Fingerprint (fee)
- Application for NCLEX-RN (fee)
- Registration for NCLEX-RN (fee)
- RN Licensure (fee)

Admission Criteria
Students must meet the following minimum criteria in order to be considered for admission into the Nursing Program:

- Active Nurse Aide Certificate (CNA) with no disqualifying convictions (background check)
- Maintain a "C" or higher in all prerequisite and elective courses.
- Overall 2.75 GPA in the following courses:
  – BIO 185
    *May substitute with BIO 281/282
  – BIO 274
  – CHM 110 (or higher)
  – ENG 101
  – PSY 170
- NRS 104 Pathophysiology (within 2 years)
  – Must complete with a "C" or higher (80%)
- ATI TEAS and a writing sample need to be completed at the RVC Testing Center
  – Overall Composite Score ..... Proficient Level or higher
  – Individual Category Scores ..... Basic Level or higher
  – Visit: RockValleyCollege.edu/ADNtest.

General Education

Prerequisite Courses:
MUST complete BEFORE admission to the program

BIO-100	Introductory Human Biology, or	
BIO-103	Introductory Life Science	3
*BIO-185	Foundations of Anatomy and Physiology	5
BIO-274	Microbiology	4
CHM-110	General, Organic and Biochemistry I, or	
CHM-120	General Chemistry I	4
ENG-101	Composition I	3
PSY-170	General Psychology	3

**8 credits from BIO 281/282 may substitute BIO 185*

Subtotal: 22

Elective Courses: Choose 9 credits from the following: *HIGHLY recommended to complete BEFORE admission into the program*

FWS-237	Nutrition for Optimum Living	3
MTH-220	Elements of Statistics	3
PSY-270	Life-Span Developmental Psychology	3
SPH-131	Fundamentals of Communication	3
SOC-190	Introduction to Sociology	3

Subtotal: 9

Core Nursing

Prerequisite Nursing Core Course
MUST complete BEFORE admission to the program

NRS-104	Pathophysiology: Altered Health Concepts	3

First Semester Level I

NRS-106	Intro to Nursing Health Assessment	2.5
NRS-107	Basic Principles of Pharmacology for Nursing	2.5
NRS-110	Core Concepts I: Foundations of Nursing Practice	2
NRS-111	Core Concepts II: Fundamentals of Nursing	4.5

Second Semester Level II

NRS-221	Behavioral Health/Older Adult Health Nursing	4
NRS-223	Adult Health Nursing I	4

Third Semester Level III

NRS-235	Family and Reproductive Health Nursing	4
NRS-237	Adult Health Nursing II	4

Fourth Semester Level IV

NRS-241	Child and Family Health Nursing	4
NRS-243	Adult Health Nursing III	4
NRS-245	Transition to Professional Nursing	1.5

Subtotal: 40

Nursing Aide Certificate (CNA) #5411

Program Length: 8 weeks or 16 weeks
Limited Transfer & Limited Enrollment
Nursing Program Website:
RockValleyCollege.edu/CNA

Program Overview
The Nursing Aide Certificate prepares students to move quickly into the health care workforce and enter a pathway to Allied Health and Nursing Careers. Graduates work as caregivers in all types of healthcare facilities and agencies. As a health team member, nursing assistants work under the supervision of nurses and provide routine care and basic nursing duties related to patient care. A flexible program of scheduled options includes morning, afternoon, or evening sessions. Mandatory health requirements must be met. Students who complete the program with a grade "C" or better are eligible for the Nurse Training Competency Evaluation. The program has a mandatory requirement of 80 hours of theory in the classroom and 40 hours of clinical experience in a long-term care facility. Mandatory classroom, skill labs, and clinical experiences will prepare students to take the state test required for certification as a Certified Nurse Assistant (CNA). This course is a prerequisite for an A.A.S. Degree in the Nursing Program.

Application Process and Deadlines
1. Enroll at Rock Valley College
2. Placement Testing
   Reading Requirement: Students must have successfully completed RDG 096 with a "C" or higher or tested out according to ACT/SAT within the last 3 years, or completed Accuplacer® Testing:
   - ACT Score: Minimum of 19
   - SAT Score: Minimum of 510
   - Accuplacer® Score: (prior to Feb. 2019) 56 or higher
   - Accuplacer® Score: (Feb. 2019 or after) 237 or higher

   Math Requirement: Students must have successfully completed MTH 088 with a "C" or higher or tested out according to ACT/SAT within the last 3 years, or completed Accuplacer® Testing:
   - ACT Score: Minimum of 18
   - SAT Score: Minimum of 470
   - Accuplacer® Elem. Algebra Score: (prior to Feb. 2019) 33 or higher
   - Accuplacer® Quantitative Reasoning Score: (Feb. 2019 or after) 227 or higher
3. Attend a Tech Connect Session.
   To sign up for a session call (815) 921-4094.
4. Attend the MANDATORY Admission Prerequisite (MAP) Session
   - Register online at the Nursing Assistant Website
   - Held once a month
   - If students do not attend this, they will not be able to register for the course
5. Fingerprinting: Criminal Background Check
   - Information will be given at the MANDATORY Admission Prerequisite Session
   - Required a valid Social Security Number and photo I.D.
   - Fee: (subject to change)
   - It is possible that a student's criminal background will prevent participation in clinical practice, thereby preventing program admission.
6. Register for NAD 101

Program Standards and Expectations
Students are required to attend all days of the Nursing Aide program. This is mandated by the Illinois Department of Public Health (IDPH). This includes attendance to orientation days, lectures, skills lab and clinical. All students are expected to provide their own transportation to clinical sites.
The Nursing Aide Program requires a "C," which is 80% to pass.

Age Requirement
Students must be a minimum of 16 years of age at the beginning of NAD 101.

CPR Requirement
At or before course completion, students must have CPR certification (Healthcare provider/BLS).

Fees
The Nursing Aide Program provides clinical education at various long-term care facilities. The nursing aide program must adhere to these facilities' requirements. All admitted students will be required to provide the following at the expense of the student.
- Physical exam with NO lifting restrictions
- TB 2-Step or blood test
- Seasonal Flu Vaccine
- Other: uniform/shoes, criminal background check, textbooks, state exam

Program Completion
Upon successful completion of the Nursing Aide program,

students will sit for the Illinois Nurse Assistant/Aide Competency Examination to earn the credentials of CNA (Certified Nursing Assistant).

This process has additional fees.

- Approximately $75 (fees subject to change)

Course Requirements

NAD-101	Nursing Aide	7

Total Credit Hours: 7

Office Professional

Office Professional (OFF)
The Office Professional Program prepares students for work in office environments where knowledge of office procedures, software/hardware, administrative, and interpersonal skills are required to perform duties.

Graduates of this program exhibit strong communication, interpersonal skills; they are flexible and professional. In addition they possess excellent keyboarding, document formatting skills, and advanced software application skills. Graduates completing this program may be expected to supervise clerical staff.

Associate in Applied Science #2600

Total Credit Hours: 65

Program Website: RockValleyCollege.edu/OfficePro

Program Overview
The Office Professional Program allows students to focus on one of three areas of office administration: General office, medical office, or legal office professionals. Under the guidance of the Dean or Academic Chair, students will be able to tailor a program that meets their unique needs. Students can also meet with an Academic Advisor to develop an academic plan.

General Office Professional
The efficiency of any organization depends in part upon office professionals who are at the center of communications within the business. They process and transmit information to the staff and other organizations. Graduates of this Program will learn a wide range of skills using the latest computer technology.

Medical Office Professional
Graduates of this Program are prepared for jobs in an insurance or healthcare office. Job responsibilities vary, and may include appointment scheduling, medical and general document preparation, meeting and event planning, handling receivables, and transcription.

Legal Office Professional
Graduates of this Program typically perform administrative work in law firms. Areas in which they could become involved include bankruptcy, business and corporate litigation, criminal, divorce, and family law, wills, trusts, and estates, government law, trademarks and copyright law, personal injury and property damage, probate, real estate, and workers' compensation.

Work and Employment
Graduates from the Program find jobs as administrative assistants, administrative secretaries, and office assistants in a variety of office settings.

Business/CIS Division Requirements

ATG-110	Financial Accounting	4
BUS-101	Introduction to Business	3
BUS-103	Business Mathematics	3
MGT-270	Principles of Management, or	
*OFF-250	Health Care Revenue Cycle	3
MKT-288	Customer Relations	3
OFF-115	File Management	2
OFF-118	Computer Keyboarding	1
OFF-121	Advanced Document Preparation and Design	3
OFF-222	Office Technology Practicum	3
OFF-226	Professional Development	3
OFF-231	Office Procedures	3
PCI-106	Microcomputer Applications/Windows Based	4
PCI-206	Advanced Microcomputer Applications Windows/Based	3

Subtotal: 38

OFF 250 is required for Option C below.

General Education **Subtotal: 18**

Required Courses

ENG-101	Composition I	3
MGT-170	Business Communications	3
SPH-131	Fundamentals of Communication	3
CIS-102	Introduction to Computers and Information Systems	3

Subtotal: 12

General Education Electives
Students must select courses with at least two different prefixes from the IAI General Education Core Curriculum (example: ART, BIO, ECO, SOC, etc.).

Subtotal: 6

Choose appropriate option:

OPTION A: General Office Professional

PCI-200	Microcomputer Information Systems Practicum	3
PCI-226	Post Advanced Microcomputer Applications/Windows Based	3
Electives	*Choose a course with ATG, BUS, MGT, MKT, OFF, PCI prefix.*	3

Subtotal: 9

OPTION B: Legal Office Professional

BUS-200	Legal Environment in Business	3
PCI-226	Post Advanced Microcomputer Applications/Windows Based	3
Electives	*Choose a course with ATG, BUS, MGT, MKT, OFF, PCI prefix*	3

Subtotal: 9

OPTION C: Medical Office Professional

HLT-110	Medical Terminology	2
OFF-144	Insurance Procedures/Medical Office	1
OFF-245	Introduction to Health Information Technology	3
BIO-171	Biology of Human Disease	3

Subtotal: 9

Office Program Electives:

- OFF-131 Independent Study-Office Software Applications.....1-6 credits
- OFF-293 Independent Study-Office Technology.....1-3 credits
- OFF-294 Office Internship.....1-3 credits

A prerequisite or corequisite may be required for some courses. Refer to the course descriptions section in this catalog for more information.

Administrative Assistant Certificate #2601

Course Requirements

ATG-110	Financial Accounting	4
ATG-123	General Ledger Software Applications in Accounting	2
BUS-101	Introduction to Business	3
BUS-103	Business Mathematics	3
OFF-115	File Management	2
OFF-118	Computer Keyboarding	1
OFF-121	Advanced Document Preparation and Design	3
OFF-222	Office Technology Practicum	3
OFF-226	Professional Development	3
OFF-231	Office Procedures	3
PCI-106	Microcomputer Applications/Windows Based	4
PCI-206	Advanced Microcomputer Applications Windows/Based	3

Total Credit Hours: 34

MOS/Word Certificate #2606

Course Requirements

BIO-171	Biology of Human Disease	3
HLT-110	Medical Terminology	2
OFF-147	Coding	4
OFF-220	Advanced Coding	3
OFF-245	Introduction to Health Information Technology	3

Total Credit Hours: 15

MOS/Word Certificate #2606

Course Requirements

PCI-106	Microcomputer Applications/Windows Based	4
PCI-206	Advanced Microcomputer Applications Windows/Based	3
PCI-228	MOS Certification Preparation	1

Total Credit Hours: 8

MOS/Excel Certificate #2607

Course Requirements

PCI-106	Microcomputer Applications/Windows Based	4
PCI-206	Advanced Microcomputer Applications Windows/Based	3
PCI-226	Post Advanced Microcomputer Applications/Windows Based	3
PCI-228	MOS Certification Preparation	1

Total Credit Hours: 11

MOS/PowerPoint Certificate #2608

Course Requirements

PCI-106	Microcomputer Applications/Windows Based	4
PCI-206	Advanced Microcomputer Applications Windows/Based	3
PCI-226	Post Advanced Microcomputer Applications/Windows Based	3
PCI-228	MOS Certification Preparation	1

Total Credit Hours: 11

MOS/Access Certificate #2609

Course Requirements

PCI-106	Microcomputer Applications/Windows Based	4
PCI-206	Advanced Microcomputer Applications Windows/Based	3
PCI-226	Post Advanced Microcomputer Applications/Windows Based	3
PCI-228	MOS Certification Preparation	1

Total Credit Hours: 11

Phlebotomy Technician

Phlebotomy Technician Certificate #5605

Program Length: Three semesters – 8 weeks each
Phlebotomy Program Website:
RockValleyCollege.edu/Phlebotomy

Program Overview
The phlebotomist is an integral part of the healthcare team. This professional will obtain blood specimens in a prompt and efficient manner. This individual must be proficiently trained to maintain high standards to ensure quality and safety in all aspects of specimen collection. The Phlebotomy Technician Program involves teaching of techniques for the purpose of obtaining blood samples by venipuncture and dermal capillary procedures. Medical and Laboratory terminology, anatomy of the circulatory systems, interpersonal communication, laboratory safety, legal guidelines and professional skills will be covered. Upon successful completion of the three portions of this 24-week program, the student will have entry-level employment skills and meet all requirements to qualify for the American Society for Clinical Pathology (ASCP) examination. The first and second portion of this Program will consist of two 8 weeks of classroom lecture and lab skill demonstration. The third portion of this program will consist of eight weeks where the student will be assigned 110 hours at a medical practicum site to obtain practical experience and record 100 venipunctures and dermal punctures to meet the competency requirements.

NOTE: Practicum is offered during the daytime hours only.

Work and Employment
This program prepares students for a career in Health Science Fields. The program is also beneficial for Nursing students, Certified Nursing Assistants, and Medical Assistants. Upon successful completion of the program, the student will have the qualifications to work as an entry-level phlebotomist in a medical office, drawing center, or hospital setting.

Program Requirements
Students must achieve a minimum passing grade of "C" (2.0) in both lecture and laboratory portions of the Phlebotomy Technician (PLB 110 and PLB 120) and Medical Terminology (HLT 110) in order to qualify for the clinical portion of this program (PLB 130)

- Diploma – a graduate of a recognized or accredited secondary school at the time of enrollment or has completed the G.E.D as required by the Commission on Accreditation of Allied Health Education Programs (CAAHEP).
- Must be 18 years of age or older prior to Phlebotomy Program registration.
- Current CPR Certification
- Physical exam (12 months), Proof of current vaccines, active titers, and negative two-step TB test results (forms in RVC Student Phlebotomy Handbook). Needed for admission to the program.
- Criminal Background and Drug Test: are to be completed on Admission. Both need to be clean and without charges.
- Reading Requirement: Students must have successfully completed RDG 099 with a "C" or higher or tested out according to ACT/SAT within the last 3 years, or completed Accuplacer® Testing:
  - ACT Score: Minimum of 19
  - SAT Score: Minimum of 510
  - Accuplacer® Score: (prior to Feb. 2019) 70 or higher
  - Accuplacer® Score: (Feb. 2019 or after) 246 or higher
- Math Requirement: Students must be eligible for MTH 088 or tested out according to ACT/SAT within the last 3 years, or completed Accuplacer® Testing:
  - ACT Score: Minimum of 18
  - SAT Score: Minimum of 470
  - Accuplacer® Elem. Algebra Score: (prior to Feb. 2019) 33 or higher
  - Accuplacer® Arithmetic Score: (prior to Feb. 2019) 27 or higher
  - Accuplacer® Quantitative Reasoning Score: (Feb. 2019 or after) 227 or higher
  - Accuplacer® Arithmetic Score: (Feb. 2019 or after) 227 or higher
- Completed HLT 110 with a grade of "C" or higher, or with the consent of the Phlebotomy Coordinator.
- Students are responsible for transportation to and from clinical affiliates.
- Students are responsible for securing their own NAVY BLUE medical scrub uniform and RVC Phlebotomy program patch according to program requirements for clinical rotations.
- Proof of liability insurance and medical insurance coverage.
- Completed and signed agreement forms *(RVC Student Phlebotomy Handbook)* prior to clinical rotation assignment.

Course Requirements

HLT-110	Medical Terminology	2
PLB-110	Phlebotomy I	2.5
PLB-120	Phlebotomy II	2.5
PLB-130	Phlebotomy Clinical	4

Total Credit Hours: 11

Respiratory Care Program

Respiratory Care Program (RSP)

Associate in Applied Science #5200

Total Credit Hours: 71

Limited Transferability
Program Website:
RockValleyCollege.edu/RespiratoryCare

Program Overview
Respiratory Care is an allied health profession that focuses on the care of patients with cardiopulmonary (heart and lung) problems. The graduates of the Rock Valley College program are prepared to work locally and nationally. As highly skilled and knowledgeable Registered Respiratory Therapists (RRT), they are vital parts of the health care team. RRT's actively work to deliver direct patient care with physicians, nurses, and other allied health professionals. This includes patient assessment to help guide the treatment, care, education, and rehabilitation of the patient. RRT's also provide therapeutic treatment and diagnostic (test) measurement of the cardio-pulmonary system. RRT's are trained to blend human relations skills with technical and scientific knowledge in order to give the best direct patient care possible. Skills are mastered through classroom, laboratory, and clinical experiences.

Work and Employment
Graduates of the program generally work in hospitals, assuming staff respiratory therapist positions or specializing in critical care or diagnostic areas. Other opportunities exist in the home care settings or through advancement into management or educational positions and rehab. A video titled "Life and Breath" can be viewed at: AARC.org/Career.

Transfer Opportunities
Graduates of this program may transfer to Northern Illinois University's (NIU's) College of Health & Human Services to pursue the Bachelor of General Studies (B.G.S.). Students are advised to contact the NIU's College of Health and Human Services at (815) 753-1891 for further information. For more transfer opportunities, see pages 49-50.

Professional Credential and Program Accreditation
Graduates of the program are eligible to sit for the credential of Registered Respiratory Therapist (RRT).

- This national exam is administered through the National Board for Respiratory Care (NBRC) at: NBRC.org.
- The program has continuing accreditation from the Commission on Accreditation of Respiratory Care (Co-ARC) at: CoARC.com.
- The professional organization for Respiratory Therapists is the American Association for Respiratory Care (AARC) at: AARC.org.
- The program belongs to a chapter of The Lambda Beta Society, a National Honor Society for the Profession of Respiratory Care.

Admission Policies
To be considered for admission the applicant must:

1. Meet all college admission requirements.
2. Be a high school graduate or have completed the GED.
3. BIO 185 – Anatomy and Physiology with minimum grade of "C". BIO 185 requires BIO 100 or BIO 103 and CHM 110 or higher, with minimum grades of "C", and must be taken within the last five years. (Other colleges' Biology course prerequisites may be different than RVC.)
   Note: BIO 281 – Human Anatomy and Physiology I and BIO 282 - Human Anatomy and Physiology II may be substituted for BIO 185. Both BIO 281 and BIO 282 must be completed.
4. BIO 274 – Microbiology with minimum grade of "C".
5. ENG 101 – Composition I with a minimum grade of "C".
6. HLT 110 – Medical Terminology with a minimum grade of "C".
7. Math requirement: Minimum Math requirement for the Respiratory Care program is MTH 092 - Beginning Algebra, at the college level. To meet biology and chemistry prerequisites at RVC, MTH 094 or a higher level math with a minimum grade of "C" is required. (Other colleges' Math course prerequisites may be different than RVC.)
8. Grade Point Average: A minimum GPA of 2.0 (on a 4.0 scale) is required of all college course work completed for college credit.

Admission Procedure
Admission is selective and competitive. All required documents must be submitted to the Respiratory Care Program Office on or before March 15th to be reviewed for admission for the fall term.

The Respiratory Care Program holds information sessions that cover prerequisites and other important admission information. Attendance of a session is required to receive an application packet for the program. To schedule an information session, please go to: RockValleyCollege.edu/InfoSessions.

Criminal Background Check and Drug Testing
Students will undergo a criminal background check and drug testing upon admission to the program. It is possible

that a student's criminal background and/or a positive drug test will prevent participation in hospital clinical practice and program completion.

Standard for Progression in the Program
Students are required to earn at least a minimum grade of "C" in each course in the Respiratory Care Program of study. Failure to do so will prevent a student from taking later courses in the program and from graduating.

Respiratory Care General Education Subtotal: 20

Prerequisite Courses - must complete BEFORE admission to the program:

BIO-274	Microbiology	4
HLT-110	Medical Terminology	2
ENG-101	Composition I	3
BIO-185	Foundations of Anatomy and Physiology	5

May substitute BIO 281/282 (8cr) for BIO 185.

Select one for the speech requirement:

SPH-201	Interpersonal Communication, or	
SPH-131	Fundamentals of Communication	3

SPH 201 is recommended.

Select one course below for the elective requirement:

BIO-171	Biology of Human Disease	3
FWS-237	Nutrition for Optimum Living	3
PHL-153	Medical Ethics	3
PHL-256	Contemporary Moral Issues	3
PSY-170	General Psychology	3

Respiratory Care Subtotal: 51

Term I, Fall

RSP-111	Introduction to Respiratory Care	3
RSP-112	Patient Assessment	3
RSP-113	Cardiopulmonary Anatomy and Physiology	3
RSP-121	Respiratory Care Practices and Procedures I	5
RSP-131	Clinical Practice I	2

Subtotal: 16

Term II, Spring

RSP-114	Clinical Medicine	3
RSP-122	Respiratory Care Practices and Procedures II	5
RSP-123	Respiratory Pharmacology	3
RSP-132	Clinical Practice II	3

Subtotal: 14

Term III, Summer I

RSP-222	Cardiopulmonary Testing & Rehabilitation	3

Subtotal: 3

Term IV, Summer II

RSP-221	Respiratory Care Practices and Procedures III	3

Subtotal: 3

Term V, Fall

RSP-223	Respiratory Care Practices and Procedures IV	4
RSP-224	Neonatal and Pediatric Respiratory Care	2
RSP-231	Clinical Practice III	3

Subtotal: 9

Term VI, Spring

RSP-225	Respiratory Care Seminar	3
RSP-232	Clinical Practice IV	3
RSP-240	Respiratory Care Review *(optional)*	2

Subtotal: 6

*A prerequisite or corequisite may be required for some courses. Refer to the course descriptions*139 *section in this catalog for more information.*

Supply Chain Management Certificates

Fundamentals of Supply Chain Management Certificate (SCM) #2102

Program Website: RockValleyCollege.edu/SCM

Program Overview
The Fundamentals of Supply Chain Management certificate is focused on developing an understanding of how the flow of materials from procurement to delivery can help an organization balance responsiveness and efficiency to improve profitability. This certificate is designed for front-line, entry-level supply chain management workers and can be completed in one to two semesters.

Work and Employment
Supply chain is the process of moving a product from the supplier to the customer. A solid supply chain can increase profits by decreasing purchasing and production costs for both sellers and manufacturers.

This is why companies are always looking for ways to improve their supply chain management.

Supply chain in the U.S. employs 44 million people, or roughly 37% of all jobs. This career path is particularly strong in the Rockford region, which is home to a strong manufacturing and logistics base.

When you learn about supply chain, you explore topics such as planning, sourcing, production, inventory management, distribution and transportation.

Course Requirements

BUS-101	Introduction to Business	3
CIS-102	Introduction to Computers and Information Systems	3
MGT-270	Principles of Management	3
SCM-100	Introduction to Supply Chain Management	3
SCM-101	Operations Management	3
STU-103	Workplace Ethics	1

Total Credit Hours: 16

Advanced Supply Chain Management Certificate (SCM) #2103

Program Website: RockValleyCollege.edu/SCM

Program Overview
The Advanced Supply Chain Management certificate will provide students with the knowledge and skills for employment in the supply chain area. Supply Chain Management focuses on the flow of materials end-to-end, beginning at customer service and procurement and ending with delivery to the customer. This certificate is focused on the front-line worker and will provide a better understanding of how each aspect of the supply chain affects the other, and how to achieve efficiency and profitability for the organization.

Course Requirements

BUS-101	Introduction to Business	3
CIS-102	Introduction to Computers and Information Systems	3
MGT-270	Principles of Management	3
SCM-100	Introduction to Supply Chain Management	3
SCM-101	Operations Management	3
SCM-110	Sourcing and Procurement	3
SCM-111	Inventory Management and Planning	3
SCM-112	Demand Planning and Forecasting	3
SCM-113	Transportation, Warehousing, and Inventory	3
SCM-114	Data Analytics	3
STU-103	Workplace Ethics	1

Total Credit Hours: 31

Full-Time Sequence (31 credits)

Semester 1 (16 credits)

BUS-101	Introduction to Business	3
CIS-102	Introduction to Computers and Information Systems	3
MGT-270	Principles of Management	3
SCM-100	Introduction to Supply Chain Management	3
SCM-101	Operations Management	3
STU-103	Workplace Ethics	1

Semester 2 (15 credits)

SCM-110	Sourcing and Procurement	3
SCM-111	Inventory Management and Planning	3
SCM-112	Demand Planning and Forecasting	3
SCM-113	Transportation, Warehousing, and	3

	Inventory	
SCM-114	Data Analytics	3

Part-Time Sequence (31 credits)

Semester 1 (7 credits)

BUS-101	Introduction to Business	3
SCM-100	Introduction to Supply Chain Management	3
STU-103	Workplace Ethics	1

Semester 2 (9 credits)

CIS-102	Introduction to Computers and Information Systems	3
MGT-270	Principles of Management	3
SCM-101	Operations Management	3

Semester 3 (9 credits)

SCM-110	Sourcing and Procurement	3
SCM-111	Inventory Management and Planning	3
SCM-112	Demand Planning and Forecasting	3

Semester 4 (6 credits)

SCM-113	Transportation, Warehousing, and Inventory	3
SCM-114	Data Analytics	3

Web Programming and Design

Web Programming & Design (WEB)

Associate in Applied Science #3900

Total Credit Hours: 64

Program Website: RockValleyCollege.edu/WebDesign

The Computers & Information Systems Department also offers degrees in programming and networking. For information on these A.A.S. degrees, please see the Computer and Information Systems (p. 99) and the Personal Computer Technical Specialist (p. 100) programs elsewhere in this catalog.

Program Overview
Graduates of this program are prepared for a career in Website programming and support. Thus, students will not only be able to design Web pages, but apply technical specifications to bring them to life.

Work and Employment
Graduates of this program often work as Web programmers, Web programmer assistants, Web server systems administrators, Web designers, or Web media developers. Students should also consult with an Academic Advisor, the Dean, or Academic Chair of the Web program.

Industry Certifications
Students obtaining this degree will be better prepared to take the following certifications: WOW, ZEND, PHP Certification, Magento Certification, and the W3C certification.

CIS Division

ATG-110	Financial Accounting	4
BUS-101	Introduction to Business	3
CIS-102	Introduction to Computers and Information Systems	3
CIS-276	Introduction to C/C++ Programming	4
CIS-254	Database Programming	4
PCT-110	Network Essentials	3
WEB-101	Programming Related to the Internet	4
WEB-102	Advanced Programming Related to the Internet	4
WEB-111	Introduction to Multimedia	3
WEB-233	Introduction to JavaScript	4
WEB-234	PHP Programming	4

Subtotal: 40

Electives
With the approval of the CIS Academic Chair, select courses with any of the following prefixes: CIS, PCT, or WEB.

Subtotal: 9

General Education

ENG-101	Composition I	3
ENG-103	Composition II, or	
MGT-170	Business Communications, or	
ENG-110	Introduction to Technical Writing	3
SPH-131	Fundamentals of Communication	3
MTH-120	College Algebra, or	
MTH-160	Topics from Finite Mathematics, or	
MTH-220	Elements of Statistics	3
BUS-170	Introduction to Organizational Behavior, or	
PSY-170	General Psychology, or	
SOC-190	Introduction to Sociology	3

Subtotal: 15

Web Development Certificate #3901

Course Requirements

WEB-101	Programming Related to the Internet	4
WEB-102	Advanced Programming Related to the Internet	4
CIS-254	Database Programming	4
WEB-234	PHP Programming	4

Total Credit Hours: 16

Web Design Certificate #3902

Course Requirements

WEB-101	Programming Related to the Internet	4
WEB-102	Advanced Programming Related to the Internet	4
WEB-111	Introduction to Multimedia	3
WEB-225	Digital Photography	3

Total Credit Hours: 14

A prerequisite or corequisite may be required for some courses. Refer to the course descriptions 139*section in this catalog for more information.*

Welding Certificates

Advanced Welding Certificate (WLD) #8218

Program Website: RockValleyCollege.edu/Welding

Program Overview
Graduates are adept in the various welding types, including Oxy-fuel, Shielded Metal Arc (STICK), Gas Metal Arc (MIG), Flux Core Arc, and Gas Tungsten Arc (TIG) welding. Upon completion a welding certification may be acquired in one or more welding processes.

Work and Employment
In today's metalworking industry, welding is rapidly becoming the most commonly used method of joining metals. Opportunities exist in the steel fabrication, plumbing, pipefitting, inspection, construction, automotive, nuclear, sheet metal, and facilities maintenance careers.

Students are required to furnish their own personal protective equipment.
A list will be provided on the first day of class.
A Casio FX-260 calculator is required for WLD 152.

Course Requirements

STU-103	Workplace Ethics	1
WLD-100	Introduction to Welding	3
WLD-150	Blueprint Reading for Welders	3
WLD-152	Arithmetic for Welders	3
WLD-153	Arc Welding: Flat and Horizontal	3
WLD-154	Arc Welding: Vertical	3
WLD-156	Arc Welding: Overhead	3
WLD-157	M.I.G. Welding	3
WLD-158	T.I.G. Welding	3
WLD-168	Advanced GTAW	3
WLD-172	Welding Fabrication, or	
WLD-175	Certification Qualification Preparation	3

Note: A college math class (100 level or higher) can be substituted for WLD 152, Arithmetic for Welders.

Total Credit Hours: 31

Industrial Welding Certificate (WLD) #8219

Program Website: RockValleyCollege.edu/Welding

Program Overview
The Industrial Welder Certificate provides students with instruction in each of the most common processes used in the welding industry, including: Shielded Metal Arc Welding (Stick), Gas Metal Arc Welding (MIG), Gas Tungsten Arc Welding (TIG), and Oxyfuel welding and cutting, as well as instruction in welding safety. Students who complete this certificate will be prepared for an entry-level position in the welding industry.

Work and Employment
Upon completion, the certificate will provide a basic credential to students for employment in the manufacturing industry.

Course Requirements

STU-103	Workplace Ethics	1
WLD-100	Introduction to Welding	3
WLD-150	Blueprint Reading for Welders	3
WLD-153	Arc Welding: Flat and Horizontal	3
WLD-157	M.I.G. Welding	3
WLD-158	T.I.G. Welding	3

Total Credit Hours: 16

*A prerequisite or corequisite may be required for some courses. Refer to the course descriptions*139 *section in this catalog for more information.*

Apprenticeship Programs

Electrician Apprenticeship (ELC)

Associate in Applied Science #9900

Total Credit Hours: 64

Transferable Degree
Program Website: RockValleyCollege.edu/Electrician

Program Overview
The Electrician Apprentice (ELC) Program consists of a series of technical core courses covering the required classroom-related instruction for people who wish to become journeyman electrical workers. The program requires a minimum of 800 hours of related instruction and 8,000 hours of on-the-job training.

Work and Employment
Those who successfully complete the Electrician Apprentice Program are employed as residential or commercial wiremen, linemen, and/or advanced journeypersons.

Cooperative Partners Involved
Both the National Electrical Contractors Association and the International Brotherhood of Electrical Workers recognize, sponsor, and support this program to provide the highly-skilled workforce necessary to meet customer needs and ensure job satisfaction for electrical workers.

Applying for the Program
Students interested in applying for the Program need to go through a selection process established by the JATC Local Union 364.

For more information, go online to:
http://www.ibew364.org/Training.

Electrician Apprenticeship

ELC-120	Introduction to Apprenticeship	4
ELC-121	Electrical Theory and Code	4
ELC-122	Lighting and Transformers	4
ELC-123	Motors and Wiring Systems	4
ELC-125	Safe Electrical Work Practices	1
ELC-140	The Labor Movement 1865-1980	1
ELC-141	Labor Movement 1975 to Present	1
ELC-142	Labor Movement, Present & Future	1
ELC-243	Alternating Current	4
ELC-244	Electronics Circuitry	4
ELC-245	Motor Control	4
ELC-246	Power Controls	4
ELC-247	Advanced Studies I	4
ELC-248	Advanced Studies II	4
ELC-249	Electrician Internship I	1
WLD-180	Independent Study in Welding	1-5
WLD-181	Special Topics Welding	1-3

Subtotal: 49

General Education

ENG-101	Composition I	3
ENG-103	Composition II, or	
ENG-110	Introduction to Technical Writing	3
SPH-131	Fundamentals of Communication	3
BUS-170	Introduction to Organizational Behavior	3
ELC-130	OHSA 30 and Disaster Response	3

Subtotal: 15

Electrician Apprenticeship Certificate #9913

Course Requirements

ELC-120	Introduction to Apprenticeship	4
ELC-121	Electrical Theory and Code	4
ELC-122	Lighting and Transformers	4
ELC-123	Motors and Wiring Systems	4
ELC-243	Alternating Current	4
ELC-244	Electronics Circuitry	4
ELC-245	Motor Control	4
ELC-246	Power Controls	4
ELC-247	Advanced Studies I	4
ELC-248	Advanced Studies II	4
WLD-180	Independent Study in Welding	1-5

Total Credit Hours: 42

Tool and Die/Precision Machinist Apprenticeship Certificate #9919

Program Website: RockValleyCollege.edu/Machinist

The tool and die maker/precision machinist apprentice makes the devices used by machinists for mass-produced parts. Tool and die makers are among the most skilled of all machinery workers.

Apprentices learn to make the gauges and measuring devices in manufacturing precision metal parts. They are also taught to construct metal forms used to shape metal stamping and forging operations. This is a four-year program.

Course Requirements

Year One

APT-190	Mathematics for Machine Technology I	3
APT-194	Blueprint Interpretation	3

Year Two

APT-289	Metal Cutting Applications	3
MET-106	Metrology	3
MET-105	Materials and Processes	3

Year Three

MET-111	CNC Machine Setup/Operation/Programming	3
MET-226	CNC/CAM Operations I	3

Year Four

MET-108	Computer Drafting Using AutoCAD	3
WLD-100	Introduction to Welding	3
MET-133	Graphics/SolidWorks CAD I	3

Total Credit Hours: 30

A prerequisite or corequisite may be required for some courses. Refer to the course descriptions section in this catalog for more information.

Apprenticeship Organizations

Electricians

Rockford Area Electricians Joint Apprenticeship Committee
Attn: Greg Cote
619 South Rock Drive
Rockford, IL 61102
(815) 969-8484

Tool and Die/Precision Machinist

Rock River Valley Tooling and Machining Association
Attn: Dutch Hinck
P.O. Box 5029
Rockford, IL 61125
(815) 985-8582
Fax: (815) 516-8431

For further information contact:

U.S. Department of Labor Employment and Training Administration Bureau of Apprenticeship and Training

Attn: Ms. Ronda Kliman, Area Representative
308 W. State Street, Suite 403
Rockford, IL 61101
(815) 987-4253
Fax: (815) 987-4214

Rock Valley College

Dean of Career Technical Education
Attn: Vicki Brust
3301 N. Mulford Road
Rockford, IL 61114-5699
(815) 921-3101
Fax: (815) 921-3189

Course Descriptions

Rock Valley College's courses on the following pages were approved by the Illinois Community College Board (ICCB).

Course Numbering System
Course descriptions are listed by prefix and include the course number, course title, prerequisites and corequisites, and content description. The Illinois Articulation Initiative (IAI) Code is listed where appropriate, followed by the number that indicates whether the course is Baccalaureate/Transfer (1.1), Career-Technical (1.2), or Developmental (1.4). Following the description of the course is the number of semester hours of credit, followed by the number of lecture hours and the number of lab hours. ***Note:*** not all courses are offered every year. These classifications are according to the master course file of the Illinois Community College Board.

Illinois Articulation Initiative (IAI) General Education Core Curriculum (GECC) and IAI Majors Codes:

To assist students with identifying qualifying general education core courses (GECC), the following coding system will appear below the course number and title in the IAI field. If the course does not have an assigned IAI number it will appear as: *"IAI: None."*

IAI GECC DISCIPLINE	IAI PREFIX
Communications	IAI: C
Social and Behavioral Sciences	IAI: S
Humanities	IAI: H
Fine Arts	IAI: F
Interdisciplinary Hum/Fine Arts	IAI: HF
Mathematics	IAI: M
Physical Science	IAI: P
Life Sciences	IAI: L

Non-Western Culture Course: The **"N"** in the IAI code field is for courses designed specifically to examine aspects of human diversity from a non-U.S./non-European perspective.

Other letters that are used at the end of course numbers include:

D - Courses designed specifically to examine aspects of human diversity within the United States.
L - Designates laboratory courses.
R - Designates research paper courses.

IAI Majors Courses: IAI has its own individual course numbering sequence for the Illinois Baccalaureate Majors' Recommendations. Here is an example of an **IAI Majors course – IAI: CHM 911 - General Chemistry I.**

In IAI Majors there are only 2 parts of the course numbering system: the abbreviation (i.e., CHM) and the number (i.e., 911) which is a part of the unique numbering system adopted for the IAI process. The abbreviation indicates the field the course exists within. For more information about major fields and their corresponding abbreviations please go to: iTransfer.org.

Prerequisites: Many course descriptions state that a prerequisite is necessary for enrollment in such a course. Students are advised that enrolling in a course without satisfying the prerequisite may result in the student being withdrawn from such course at the request of the instructor. Refer carefully to catalog course descriptions.

If a course meets for a shorter or longer period than a 15-week semester, the lecture and laboratory hours are adjusted so that the total number of hours will be the same as the total for a 15-week semester.

Only degree-level courses numbered from 100 through 299 will meet degree requirements. Credit earned in courses numbered below 100 and above 299, and in select certificate-level courses, will not count toward any Rock Valley College degree.

Listed below is an alphabetized list of instructional disciplines followed by a subject (course) prefix/course abbreviation.

ACADEMIC DISCIPLINE	COURSE PREFIX
Accounting	ATG
Anthropology	ANP
Apprenticeships	APT
Art	ART
Atmospheric Science	ATS
Automotive	ATM
Aviation	AVM
Biology	BIO
Business	BUS
Chemistry	CHM
Composition	ENG
Computers and Information Systems	CIS
Criminal Justice	CRM
Dental Hygiene	DNT
Developmental Reading	RDG
Early Childhood Education	ECE
Economics	ECO
Education	EDU
Electronic Engineering Technology	EET
Electrician Apprenticeship	ELC
Engineering	EGR
Fire Science	FRE
Fitness, Wellness, & Sport	FWS
Geology	GEL
Geography	GEO
Graphic Arts	GAT
Health	HLT
History	HST
Humanities	HUM
Literature	LIT
Management	MGT
Manufacturing Engineering Technology	MET
Marketing	MKT
Mass Communication	COM
Mathematics	MTH
Mechatronics	MEC
Medical Assistant	MDA
Modern Languages	FRN, GRM, SPN
Music	MUS
Nursing Programs	
• Associate Degree Nursing	NRS
• Nursing Aide	NAD
Office Professional	OFF
PC Information Specialist	PCI
PC Technical Specialist	PCT
Philosophy	PHL
Phlebotomy	PLB
Physical Geography	PGE
Physics	PHY
Political Science	PSC
Psychology	PSY
Respiratory Care	RSP
Sociology	SOC
Speech	SPH
Supply Chain Management	SCM
Theatre	THE
Web Programming & Design	WEB
Welding	WLD

Disclaimer: The information in this catalog is subject to change without prior notice or obligation. Rock Valley College reserves the right to revise course content to reflect changing conditions, trends, and information within the discipline. It is the student's responsibility to be aware of the information in this catalog and to keep informed as additions and corrections are announced.

Disclaimer: Not all courses for Rock Valley College are listed in the "COURSE DESCRIPTION" section of this catalog. See an Academic Advisor to fulfill specific graduation requirements.

ANP-Anthropology

ANP 102 – Introduction to Biological Anthropology & Archaeology (3 credits)

This course offers an introduction to two subfields of anthropology: biological anthropology and archaeology. Biological anthropologists specialize in primatology, paleoanthropology, human variation, medical anthropology, and forensic anthropology. Archaeologists study the ancient and recent human past by examining material remains in the fossil record to answer questions about human history, evolution, and culture. The course will examine evolutionary theory, basic principles of genetic inheritance, species diversity, and living non-human primates. An exploration of fossil non-human primates, the first hominins, the genus Homo, and human variation will also be studied.

Prerequisite: None. IAI Code: S1 901N. PCS Code: 1.1. Lecture: 3. Lab: 0.

ANP 103 - Introduction to Cultural Anthropology (3 credits)

This course is a basic survey of the principles of cultural anthropology including the concept of culture and its various aspects. Language, economics, kinship, religion, and art are included. Some attention is also given to distinctive theoretical approaches and to problems of culture change.

Prerequisite: None. IAI Code: S1 901N. PCS Code: 1.1. Lecture: 3. Lab: 0.

APT-Apprenticeship-Tool and Die / Precision Machinist

Rock Valley College, in cooperation with the Rock River Valley Tooling and Machining Association, sponsors related apprenticeship classroom training. Admission to the Tool and Die/Precision Machinist Apprenticeship program is determined by the Rock River Valley Tooling and Machining Association. Students who wish to be considered for an apprenticeship should apply to the Rock River Valley Tooling and Machining Association organization listed under **Apprenticeship Programs.**

Apprenticeship training is available in the specific categories of die maker, tool maker, mold maker, header die maker, precision machinist, and machine repair. For a list of all of the required classes for this program, please refer to **Apprenticeship Programs**.

APT 190 - Mathematics for Machine Technology I (3 credits)

The Mathematics for Machine Technology I course covers whole numbers, fractions, decimals, fractions, powers and roots, and percents. English and metric units of measure are used with precision measuring equipment, and formulas and equations, with metal working related subjects. Related metalworking subjects are also covered.

Prerequisite: None. IAI Code: None. PCS Code: 1.2. Lecture: 2. Lab: 2.

APT 194 - Blueprint Interpretation (3 credits)

The Blueprint Interpretation course will teach the student to interpret various types of three-view drawings, how to read tolerance information, and how to interpret dual system dimensioning and tolerances. Includes the metric system of dimensioning and ISO symbols which includes a comprehensive study of the application of geometric dimensioning and tolerancing techniques. This will use the ANSI/ASME Y10.5-M standards.

Prerequisite: Completion of APT-190 with a passing grade. IAI Code: None. PCS Code: 1.2. Lecture: 2. Lab: 2.

APT 289 - Metal Cutting Applications (3 credits)

The Metal Cutting Applications course will teach students metal cutting applications with various types of cutting tools. Topics covered will be materials, machinability of materials, tool materials, turning, boring, milling, grooving, threading and drilling. Students will learn how to select proper tooling based on material specifications and blueprint specifications.

Prerequisite: Completion of APT-194 with a passing grade. IAI Code: None. PCS Code: 1.2. Lecture: 2. Lab: 2.

ART-Art

ART 101 - Drawing & Composition I (3 credits)

Drawing and Composition is an introduction to fundamental techniques and concepts of representational and expressive drawing within a variety of media. Emphasis is on object representation, spatial illusion, and the organization of structural relationships in two-dimensional space. Three hours of studio time is required each week in addition to the lecture and laboratory hours.

Prerequisite: None. IAI Code: ART 904. PCS Code: 1.1. Lecture: 2. Lab: 4.

ART 102 - Drawing & Composition II (3 credits)

Drawing and Composition II is a continuation of ART 101 with greater emphasis on skill in handling materials, exploration of technique, organization of composition, and further development of awareness toward individual concept, theory, choice, process, and change. The interpretation of form and composition in two-dimensional space is reinforced. Three hours of studio time are required each week in addition to the lecture and laboratory hours.

Prerequisite: Completion of ART-101 with a passing grade, or instructor consent. IAI Code: None. PCS Code: 1.1. Lecture: 2. Lab: 4.

ART 103 - Design I (3 credits)

Design I is a study of basic artistic expression in two-dimensional design. Studio problems investigate the theoretical principles of composition, form, value, color, balance, pattern and texture. Three hours of studio time are required each week in addition to the lecture and laboratory hours.

Prerequisite: None. IAI Code: None. PCS Code: 1.1. Lecture: 2. Lab: 4.

ART 104 - Color Theory (3 credits)

Color Theory is a study of the formal and expressive properties of color based upon the theories of Itten and Albers. Studio problems investigate color compositions using the theoretical principles of color design. Three hours of studio time are required each week in addition to the lecture laboratory hours.

Prerequisite: Completion of ART-103 with a passing grade, or instructor consent. IAI Code: None. PCS Code: 1.1. Lecture: 2. Lab: 4.

ART 111 - Painting I (3 credits)

Painting I is an introduction to the painting medium and its creative procedures in approaches to individual problem solving. Included are materials and techniques of the medium along with various subjective problems involving form, color, and composition, utilizing criticism and aesthetics. Three hours of studio time are required each week in addition to the lecture and laboratory hours.

Prerequisite: None. IAI Code: None. PCS Code: 1.1. Lecture: 2. Lab: 4.

ART 121 - Ceramics I (3 credits)

Ceramics I is an introduction to the fundamental techniques and concepts of the ceramic arts. The emphasis of this class is the exploration of the ceramic medium as a material for creative expression. Functional and sculptural aspects of the medium will be considered through assignments incorporating hand building, wheel throwing, surface treatments and glazing techniques. Three hours of studio time is required each week in addition to the lecture and laboratory hours.

Prerequisite: None. IAI Code: None. PCS Code: 1.1. Lecture: 2. Lab: 4.

ART 122 - Ceramics II (3 credits)

Ceramics II is a continuation of Ceramics I. The processes, techniques and aesthetic concepts in the ceramic media are further developed and intensified. Emphasis is placed on individual exploration in either hand building and/or wheel thrown work by furthering personal awareness of form, content, and design. Three hours of studio time is required each week in addition to the lecture and laboratory hours.

Prerequisite: Completion of ART-121 with a passing grade, or instructor consent. IAI Code: None. PCS Code: 1.1. Lecture: 2. Lab: 4.

ART 131 - Introduction to Visual Art (3 credits)

Introduction to Visual Arts is a study of aesthetic concepts and their expression in the great art of all periods through the means of lecture, audio-visual aids, and museum visits. This class is intended for students not majoring in studio art.

Prerequisite: None. IAI Code: F2 900. PCS Code: 1.1. Lecture: 3. Lab: 0.

ART 141 - Introduction to Non-Western Visual Art (3 credits)

Introduction to Non-Western Visual Art offers a visual introduction with the cultural and historical heritage of selected Non-Western societies from ancient times to the present, providing students with a “global perspective” to art and new ideas, values and aesthetic insights that differ from Western culture. Non-Western cultures are those that early on were considered to have initially developed outside the realm of Western culture. Students will study examples of paintings, sculptures, architecture and other art forms of non-western cultures such as the Islamic world, India, Southeast Asia, China, Japan, the Pacific, Africa and the pre-conquest and indigenous Americas.

Prerequisite: None. IAI Code: F2 903N. PCS Code: 1.1. Lecture: 3. Lab: 0.

ART 201 - Life Drawing (3 credits)

Life Drawing is a figurative approach which emphasizes drawing and composition from the structure, proportions

and movement of the human model through contour, gesture, and representational and expressive exercises in a variety of media. Three hours of studio time are required each week in addition to the lecture and laboratory hours.

Prerequisite: Completion of ART-102 with a passing grade, or instructor consent. IAI Code: None. PCS Code: 1.1. Lecture: 2. Lab: 4.

ART 203 - Design II (3 credits)

Design II covers three-dimensional design. Sculptural works are constructed in a variety of media to explore problems of volume and space relationships. (Offered spring semester.)

Prerequisite: Successful completion of ART-103 with a grade of C or higher, or instructor consent. IAI Code: None. PCS Code: 1.1. Lecture: 0. Lab: 6.

ART 212 - Painting II (3 credits)

Painting II continues the processes, techniques and ideas begun in Painting I by developing and intensifying individual direction in the painting media, with further exploration through critiques and discussions for individual comprehension of aesthetic awareness. Three hours of studio time are required each week in addition to the lecture and laboratory hours.

Prerequisite: Completion of ART-111 with a passing grade, or instructor consent. IAI Code: None. PCS Code: 1.1. Lecture: 2. Lab: 4.

ART 215 - Intaglio Printmaking (3 credits)

Intaglio Printmaking is an introduction to traditional and contemporary techniques with an emphasis on image development, proper printing techniques, and creative experimentation. Appropriate instruction in the health and safety issues relative to the methods and materials of the course will also be stressed. Three hours of studio time is required each week in addition to the lecture and laboratory hours.

Prerequisite: Completion of ART-101 and ART-103 with a passing grade, or instructor consent. IAI Code: None. PCS Code: 1.1. Lecture: 2. Lab: 4.

ART 216 - Relief Printmaking (3 credits)

Relief Printmaking is an exploration of traditional and contemporary techniques with an emphasis on image development, proper Relief printing techniques, and creative experimentation. Appropriate instruction in the health and safety issues relative to the methods and materials of the course will also be stressed. Three hours of studio time is required each week in addition to the lecture and laboratory hours.

Prerequisite: Completion of ART-101 and ART-103 with a passing grade, or instructor consent. IAI Code: None. PCS Code: 1.1. Lecture: 2. Lab: 4.

ART 251 - History of Art I (3 credits)

History of Art I is a study of the major monuments in architecture, painting, and sculpture from Paleolithic time to the Byzantine and Islamic eras. This course is primarily for art majors.

Prerequisite: None. IAI Code: F2 901. PCS Code: 1.1. Lecture: 3. Lab: 0.

ART 252 - History of Art II (3 credits)

History of ART II is a study of the major monuments in architecture, painting, and sculpture from the medieval period to the 18th century. This course is primarily for art majors.

Prerequisite: None. IAI Code: F2 902. PCS Code: 1.1. Lecture: 3. Lab: 0.

ART 253 - History of Art III (3 credits)

History of Art III is a study of the major monuments in architecture, painting, and sculpture from the romantic period to the contemporary period. This course is primarily for art majors.

Prerequisite: None. IAI Code: F2 902. PCS Code: 1.1. Lecture: 3. Lab: 0.

AST-Astronomy

AST 202 - Introduction to Astronomy (4 credits)

Introduction to Astronomy is a broad survey of modern astronomy examining the solar and stellar systems. Topics discussed range from an overview of the structure and motion of comets, asteroids, and the planets and their natural satellites, to an examination of our present understanding of the nature, origin and evolution of the sun, stars, galaxies, and special objects. The laboratory provides an opportunity to learn about lenses and mirrors, construction and use of telescopes, how to make measurements, and how to read star charts and locate objects in the heavens. AST 202 is suitable for science and non-science students.

Prerequisite: Appropriate college placement measures, or successful completion MTH-096A or MTH-096S with a grade of C or higher. IAI Code: P1 906L. PCS Code: 1.1.

Lecture: 3. Lab: 3.

ATG-Accounting

ATG 106 - Introduction to Accounting Debits and Credits (1 credit)

Introduction to Accounting Debits and Credits emphasizes the theory of double entry accounting which utilizes both a debit and a credit part for every business transaction. Recording transactions in the general journal, posting transactions to the general ledger, and the preparing of the work sheet and preparation of the income statement, capital statement, and balance sheet will be covered.

Prerequisite: None. IAI Code: None. PCS Code: 1.1. Lecture: 1. Lab: 0.

ATG 107 - Introduction to Accounting Special Journals (1 credit)

Introduction to Accounting Special Journals is a continuation of ATG-106. The course demonstrates the use of the special journals to save time and effort by grouping similar transactions and by division of labor. Special journals studied the Combined Journal, Sales Journal, Purchases Journal, Cash Receipts Journal and Cash Payments Journal. Posting procedures and special ledgers will also be covered.

Prerequisite: Successful completion of ATG-106 with a grade of C or higher. IAI Code: None. PCS Code: 1.1. Lecture: 1. Lab: 0.

ATG 110 - Financial Accounting (4 credits)

Financial Accounting presents accounting as an information system that produces summary financial statements, primarily for users external to a business or other enterprise. Students study the forms of business organization and the common transactions entered into by businesses. The emphasis is on understanding and applying basic accounting principles and other concepts that guide the reporting of the effect of transactions and other economic events on the financial condition and operating results of a business. How to analyze and interpret historical financial statements, as well, and the limitations of using these in making forward-looking business decisions is included. The primary content emphasis will be accounting for current assets and liabilities, long-term assets and liabilities, stockholder equity, corporations' cash flow statements, and financial statement analyses.

Prerequisite: Successful completion of MTH-092 or MTH-096A or MTH-096S with a grade of C or higher, or instructor consent. IAI Code: BUS 903. PCS Code: 1.2. Lecture: 4. Lab: 0.

ATG 111 - Managerial Accounting (4 credits)

Managerial Accounting presents accounting as a system of producing information for internal use in managing business. The course emphasizes the identification, accumulation, and interpretation of information for planning, controlling, and evaluating the performance of the separate components of a business. Included is the identification and measurement of the costs of producing goods or services and how to analyze and control these costs. Decision models commonly used in making specific short- and long-term business decisions also are included.

Prerequisite: Successful completion of ATG-110 with a grade of C or higher. IAI Code: BUS 904. PCS Code: 1.2. Lecture: 4. Lab: 0.

ATG 120 - Microcomputer Spreadsheet Application in Accounting (2 credits)

Microcomputer Spreadsheet Applications in Accounting concentrates on the utilization of a computer spreadsheet software program to solve accounting problems and to report accounting information. Current software available for the IBM-compatible microcomputer will be used. (Offered fall semester only.)

Prerequisite: Completion of ATG-110, or ATG-106 and ATG-107 with a passing grade. IAI Code: None. PCS Code: 1.2. Lecture: 1. Lab: 2.

ATG 123 - General Ledger Software Applications in Accounting (2 credits)

General Ledger Software Applications in Accounting concentrates on the utilization of a computer general ledger software program to solve accounting problems and to report accounting information. The payroll function is introduced, including current regulations. Current commercial software for the IBM-compatible microcomputer will be used.

Prerequisite: Successful completion of ATG-110 and CIS-102 with a grade of C or higher. IAI Code: None. PCS Code: 1.2. Lecture: 1. Lab: 2.

ATG 204 - Accounting for Payroll (2 credits)

Accounting for Payroll will cover concepts relating to payroll regulation and practice. Students will explore the federal and state laws pertaining to payroll and will learn how to compute wages, prepare appropriate payroll tax forms, and complete the journalizing/posting transactions.

Upon completion, students should be able to analyze data, make appropriate computations, complete forms, and prepare accounting entries using appropriate technology.

Prerequisite: Successful completion of ATG-110 with a grade of C or higher, or instructor consent. IAI Code: None. PCS Code: 1.2. Lecture: 2. Lab: 0.

ATG 205 - Accounting for Accounts Payable and Accounts Receivable (2 credits)

Accounting for Accounts Payable and Accounts Receivable will cover regulation and practice of Accounts Payable (A/P) and Accounts Receivable (A/R). Students will explore regulation and best practices pertaining to the functioning of A/P and A/R within the accounting cycle and will learn about the importance of relationships with vendors and customers. Because A/P and A/R are the points in which cash enters and leaves an organization, students will learn about process vulnerabilities and internal controls necessary to mitigate such vulnerability. Finally, students will form links between technology used in practice and concepts explored in the course.

Prerequisite: Successful completion of ATG-110 with a grade of C or higher, or instructor consent. IAI Code: None. PCS Code: 1.2. Lecture: 2. Lab: 0.

ATG 210 - Cost Accounting (4 credits)

Cost Accounting studies the nature of costs and relevant accounting data for purposes of improving decision making. The determination of product costs, budgets and standards, and capital budgeting are among the topics studied. This course is a core curriculum requirement for an A.A.S. degree in accounting.

Prerequisite: Successful completion of ATG-111 with a grade of C or higher. IAI Code: None. PCS Code: 1.1. Lecture: 4. Lab: 0.

ATG 215 - Intermediate Accounting I (4 credits)

Intermediate Accounting I is an in-depth analysis of accounting principles related to the preparation of general-purpose financial statements for external users of accounting information. The efforts of accounting organizations such as the FASB (Financial Accounting Standards Board), the APB (Accounting Principles Board), and the AICPA (American Institute of Certified Public Accountants) are reflected in the material. Issues covered include those related to the Balance Sheet, Statement of Retained Earnings, Income Statement and Statement of Cash Flows. Representative areas of accounting include, but are not limited to, cash, receivables, inventories, and property, plant, and equipment. This course is a core course requirement for an A.A.S. degree in accounting. (Offered fall semester only.)

Prerequisite: Successful completion of ATG-111 with a grade of C or higher. IAI Code: None. PCS Code: 1.2. Lecture: 4. Lab: 0.

ATG 216 - Intermediate Accounting II (3 credits)

Intermediate Accounting II is a continuation of the in-depth analysis of accounting principles related to the preparation of general-purpose financial statements for external users of accounting information, which started in ATG 215. Representative areas of accounting include, but are not limited to, liabilities, including long-term debt, stockholders equity, earnings per share, revenue recognition, accounting for income taxes, accounting for leases, accounting for pensions, and the statement of cash flows. This is a requirement of the financial accounting option of the A.A.S. degree in accounting. (Offered in spring semester)

Prerequisite: Successful completion of ATG-215 with a grade of C or higher. IAI Code: None. PCS Code: 1.2. Lecture: 3. Lab: 0.

ATG 218 - Federal Income Tax (4 credits)

Federal Income Tax is a course where emphasis is placed on federal income taxes for the individual. The course covers both the practical preparation of income tax returns and the theoretical understanding of the law. Subjects covered include taxation of non-business individuals, proprietary business operations, and gains/losses from the sale of various types of property. The federal income taxation of partnerships and corporations will also be introduced. This course is a core curriculum requirement for an A.A.S. degree in accounting. Offered in the Fall term only.

Prerequisite: Completion of ATG-110 with a passing grade, or instructor consent. IAI Code: None. PCS Code: 1.2. Lecture: 4. Lab: 0.

ATG 220 - Fraud Detection and Deterrence (3 credits)

Fraud Detection and Deterrence will cover the principles and methodology of fraud detection and deterrence. The course includes such topics as skilling, cash larceny, check tampering, register disbursement schemes, billing schemes, payroll and expense reimbursement schemes, non-cash misappropriations, corruption, accounting principles and fraud, fraudulent financial statements, and interviewing witnesses. Offered in Spring term only.

Prerequisite: Completion of ATG-110 with a passing grade, or instructor consent. IAI Code: None. PCS Code: 1.2. Lecture: 3. Lab: 0.

ATG 298 - Accounting Capstone (4 credits)

Accounting Capstone will reinforce concepts learned throughout the accounting program by applying accounting knowledge and skills to problems and cases. Students will have the option to take the national certification exam and obtain their Certified Bookkeeper Certificate upon completion of the course.

Prerequisite: This course is to be taken the final semester prior to graduation. At least 18 credit hours of ATG courses must be completed with a C or higher, or instructor consent. IAI Code: None. PCS Code: 1.2. Lecture: 4. Lab: 0.

ATM-Automotive Service Technology

ATM 105 - Introduction to Brake and Chassis System (3 credits)

Intro to Brake and Chassis Systems course offers the student an introduction to automotive brake and steering/suspension systems. Theory and operation of these systems is covered. Students will complete basic service procedures on brake and steering/suspension systems to prepare them for initial employment in the automotive service industry and further training in the Automotive Service Technology program. Safety in the use of automotive tools, equipment, and chemicals is also covered.

Prerequisite: Previous or concurrent enrollment in ATM-106 and ATM-140. IAI Code: None. PCS Code: 1.2. Lecture: 1. Lab: 4.

ATM 106 - Introduction to Automotive Electrical Systems and Powertrains (3 credits)

The Introduction to Automotive Electrical Systems and Powertrains course offers the student an introduction to automotive electrical and engine/transmission systems. Theory and operation of these systems are covered. Students will complete basic service procedures on electrical and engine/transmission systems to prepare them for initial employment in the automotive service industry and further training in the Automotive Service Technology program. Safety in the use of automotive tools, equipment, and chemicals is also covered.

Prerequisite: Previous or concurrent enrollment in ATM-105 and ATM-140. IAI Code: None. PCS Code: 1.2. Lecture: 1. Lab: 4.

ATM 107 - Automotive Electronic Fundamentals (4 credits)

The Automotive Electronic Fundamentals is a continuation of ATM 106 (Introduction to Automotive Electrical Systems and Powertrains). This class will emphasize electrical and electronic theory and analysis and introduce students to solid-state electronic components and systems. Students will determine circuit types and analyze both mathematically and with a digital multimeter. This is a lecture-laboratory course designed to increase the student's level of knowledge of basic electricity / electronics.

Prerequisite: Completion of ATM-105 and ATM-106 with a passing grade, or instructor consent. IAI Code: None. PCS Code: 1.2. Lecture: 3. Lab: 3.

ATM 114 - Brakes (4 credits)

Brakes is a lecture-laboratory course designed to increase the student's level of knowledge of automotive brakes. This course continues the student's studies of automotive brake systems and covers in-depth diagnosis, service, and repair procedures of base brake systems and anti-lock brake systems. Live work will be performed on customer vehicles in a real-world shop environment.

Prerequisite: Completion of ATM-105 and ATM-106 with a passing grade, or instructor consent. IAI Code: None. PCS Code: 1.2. Lecture: 2. Lab: 4.

ATM 121 - Steering and Suspension (4 credits)

The Steering and Suspension course continues the student's studies of automotive steering and suspension systems. This course covers in-depth diagnosis, service, and repair procedures of steering and suspension, and electronic suspension and steering. Live work will be performed on customer vehicles in a real-world shop environment.

Prerequisite: Completion of ATM-105 and ATM-106 with a passing grade, or instructor consent. IAI Code: None. PCS Code: 1.2. Lecture: 3. Lab: 3.

ATM 140 - Engine Diagnosis and Repair (6 credits)

The Engine Diagnosis and Repair course provides basic information on gasoline engine theory, construction, systems, and diagnosis. This information will be applied to mechanical testing and repair procedures for the entire engine. The college provides late model engines for disassembly and reassembly.

Prerequisite: Previous or concurrent enrollment in ATM-105 and ATM-106, or instructor consent. IAI Code: None. PCS Code: 1.2. Lecture: 4. Lab: 4.

ATM 203 - Heating and Air Conditioning Systems (4 credits)

The Heating and Air-Conditioning Systems course is a lecture-laboratory course designed to train the student in theory, construction, installation, diagnosis, and proper servicing of all types of automotive heating and air conditioning systems. Emphasis is on safety procedures, practical application and refrigerant recycling to protect the environment.

Prerequisite: Previous or concurrent enrollment in ATM-107, or instructor consent. IAI Code: None. PCS Code: 1.2. Lecture: 3. Lab: 3.

ATM 222 - Manual Transmission/Transaxles (4 credits)

Manual Transmissions/Transaxles provides training and hands-on experience in diagnosis, service and repair of manual transmissions, transaxles, clutches, drive shafts, CV joints and half shafts, and 4-wheel drive systems.

Prerequisite: Completion of ATM-105 and ATM-106 with a passing grade, or instructor consent. IAI Code: None. PCS Code: 1.2. Lecture: 3. Lab: 4.

ATM 223 - Automotive Electrical Circuits (4 credits)

The Automotive Electrical Circuits course is designed in diagnosis and repair of automotive electrical circuits and diagnosis of automotive electronic circuitry. Emphasis will be on accessory circuits and components.

Prerequisite: Completion of ATM-105, ATM-106, and ATM-107 with a passing grade, or instructor consent. IAI Code: None. PCS Code: 1.2. Lecture: 3. Lab: 3.

ATM 228 - Engine Performance I (5 credits)

Engine Performance I is a course designed to provide instruction and experience in the theory of operation, diagnosis, and service of solid state, computer-controlled, and distributorless ignition systems. This course is designed to provide instruction and experience in the theory of operation, diagnosis, and service of automotive fuel systems and their related sub-systems. This course covers related emission systems and usage of ignition scopes, digital analyzers, scan tools, and other hand-held equipment.

Prerequisite: Completion of ATM-106, ATM-107, and ATM-140 with a passing grade, or instructor consent. IAI Code: None. PCS Code: 1.2. Lecture: 3. Lab: 5.

ATM 229 - Engine Performance II (5 credits)

Engine Performance II is the second course in Engine Performance and a continuation of Engine Performance I. This course is designed to analyze, diagnose, and test second-generation ignition, fuel, On-board Diagnostics I (OBD I), and On-board Diagnostic II (OBDII) computer systems. Emphasis is placed on scan tool analysis and recording along with current graphing of fuel, ignition and sub-systems. Analysis will be performed by the usage of aftermarket and manufacturers' scan tools and digital storage scopes interfaced with induction current probes.

Prerequisite: Completion of ATM-106, ATM-107, ATM-140, and ATM-228 with a passing grade, or instructor consent. IAI Code: None. PCS Code: 1.2. Lecture: 3. Lab: 5.

ATM 236 - Advanced Computers/Control Systems (3 credits)

Advanced Computers & Control Systems is a lecture-laboratory course designed to increase the student's level of knowledge of automotive computer-controlled systems. Topics include in-depth analysis and testing of OBDII, ABS, theft deterrent systems, body electrical systems and data communications networks. Analysis is performed using digital meters, oscilloscopes, PC interfacing software, and other hand-held equipment.

Prerequisite: Completion of ATM-105, ATM-106, ATM-107, ATM-140, and ATM-228 with a passing grade, or instructor consent. IAI Code: None. PCS Code: 1.2. Lecture: 1. Lab: 4.

ATM 242 - Automatic Transmissions/Transaxles (5 credits)

Automatic Transmissions/Transaxles is a lecture-laboratory course designed to increase the student's level of knowledge of automotive automatic transmissions. The course covers theory of operation, diagnosis and repair of modern automatic transmissions. On vehicle diagnosis and service of automatic transmission hydraulics and electronics is covered. Students will disassemble and reassemble automatic transmissions and verify proper operation on the transmission dynamometer.

Prerequisite: Completion of ATM-105, ATM-106, ATM-107, ATM-223 and ATM-228 with a passing grade, or instructor consent. IAI Code: None. PCS Code: 1.2. Lecture: 3. Lab: 5.

ATM 251 - Hybrid and Electric Vehicle Powertrain (3 credits)

This course is designed to provide instruction and experience in the theory of operation, diagnosis and service of hybrid and electric vehicle powertrain systems. Topics covered include electric motor generators, inverters, high voltage wiring circuits and support sub-systems.

Prerequisite: Completion of ATM-106, ATM-107, and ATM-223 with a passing grade, or instructor consent. IAI Code: None. PCS Code: 1.2. Lecture: 1. Lab: 4.

ATM 252 - Advanced Vehicle Chassis Systems (3 credits)

This course is designed to provide instruction and experience in the theory of operation, diagnosis and service of computer controlled chassis systems utilized in late model, hybrid and electric vehicles. Topics covered include regenerative braking, electric power steering and automated driver assist systems.

Prerequisite: Completion of ATM-251 with a passing grade, or instructor consent. IAI Code: None. PCS Code: 1.2. Lecture: 2. Lab: 2.

ATM 253 - Hybrid and Electric Vehicle Battery Systems (3 credits)

This course is designed to provide instruction and experience in the theory of operation, diagnosis and service of hybrid and electric vehicle battery systems. Topics covered include NiMH and Lithium battery chemistries, HV battery control system components and HV battery service.

Prerequisite: Completion of ATM-251 and ATM-252 with a passing grade, or instructor consent. IAI Code: None. PCS Code: 1.2. Lecture: 2. Lab: 2.

ATS-Atmospheric Science

ATS 105 - Introduction to Atmospheric Science (4 credits)

Introduction to Atmospheric Science is an in-depth examination of the Earth's weather and climate. The course covers a broad range of topics including the origin, composition, and structure of the atmosphere; the formation of clouds and precipitation; the formation of organized weather systems; weather prediction; air pollution; climates; and atmospheric options. This course fulfills laboratory science requirements for students both inside and outside the curriculum.

Prerequisite: Appropriate college placement measures, or successful completion of MTH-096A or MTH-096S with a grade of C or higher. IAI Code: P1 905L. PCS Code: 1.1. Lecture: 3. Lab: 3.

AVM-Aviation Maintenance Technology

AVM 101 - Materials and Processes (3 credits)

The Materials and Processes course consists of theory and practice in nondestructive testing methods, basic heat treating, aircraft hardware and materials, inspection and checking of welds. Special stress will be on the fabrication of flexible and rigid lines.

Prerequisite: Admission into the Aviation program. Corequisite: Concurrent enrollment in AVM-103 and AVM-105. IAI Code: None. PCS Code: 1.2. Lecture: 2.5. Lab: 2.5.

AVM 102 - Basic Electricity (3 credits)

The Basic Electricity course is oriented to the aircraft system. This includes capacitance, inductance, calculating and measuring electrical power, current, resistance, continuity, and leakages. Reading schematic diagrams is emphasized. A study is also made of acid and alkaline batteries.

Prerequisite: Completion of AVM-101 with a passing grade, or instructor consent. IAI Code: None. PCS Code: 1.2. Lecture: 2. Lab: 3.

AVM 103 - Aviation Mathematics and Physics (2 credits)

The Aviation Mathematics and Physics course is geared to the needs of the aviation maintenance technician. This includes extracting roots, raising numbers to a given power, and computing the areas and volumes of geometrical shapes. Also included is solving ratio, percentage, and proportion problems. Algebraic operations in the use of positive and negative numbers is stressed. The physics material will offer the principles of simple machines, sound, fluid, and heat dynamics.

Prerequisite: Previous or concurrent enrollment in AVM-101 and AVM-105. IAI Code: None. PCS Code: 1.2. Lecture: 1. Lab: 2.

AVM 104 - Records and Publications (3 credits)

The Records and Publications course includes record keeping and reference to current maintenance publications. Students will be required to write descriptions of aircraft

condition and work performed, as well as complete required maintenance forms, records, and inspection reports. Students will also learn to select and use FAA, manufacturers213 data sheets, and Federal Aviation Regulations. Students will be able to read and interpret technical data and understand the mechanic213s privileges and limitations.

Prerequisite: Completion of AVM-101 with a passing grade, or instructor consent. IAI Code: None. PCS Code: 1.2. Lecture: 2.5. Lab: 2.5.

AVM 105 - Aircraft Drawing-Weight & Balance (3 credits)

The Aircraft Drawing course is designed to make use of drawings, symbols, and schematic diagrams. Students will use blueprint information, charts, and graphs. Also covered is the weighing of aircraft with the completion of weight and balance checks and the recording of data.

Prerequisite: Previous or concurrent enrollment in AVM-101 and AVM-103. IAI Code: None. PCS Code: 1.2. Lecture: 2.5. Lab: 2.5.

AVM 106 - Cleaning and Corrosion Control (3 credits)

The Cleaning and Corrosion Control course covers detection, identification and treatment of corrosion on aircraft structures. Corrosion prevention strategy and phenomenon theory will be investigated.

Prerequisite: Completion of AVM-104 with a passing grade, or instructor consent. IAI Code: None. PCS Code: 1.2. Lecture: 2.5. Lab: 2.5.

AVM 160 - Fuel and Lubrication Systems (6 credits)

The Fuel and Lubrication Systems course covers the identification and selection of aircraft fuels, lubricants, and their systems as they apply to specific operating conditions and other utility requirements. Included is a detailed study of carburetion and fuel injection methods as they serve the complex fuel metering demands of modern aircraft powerplants.

Prerequisite: Completion of AVM-162 with a passing grade, or instructor consent. IAI Code: None. PCS Code: 1.2. Lecture: 5. Lab: 5.

AVM 161 - Engine Support Systems (3 credits)

The Engine Support Systems course is a theoretical and practical approach to the systems that coordinate the powerplant. They are engine instruments, fire protection, induction and supercharging, cooling, and exhaust systems. Inspections of these systems will be stressed.

Prerequisite: Completion of AVM-160 with a passing grade, or instructor consent. IAI Code: None. PCS Code: 1.2. Lecture: 2. Lab: 3.

AVM 162 - Basic Powerplants (6 credits)

The Basic Powerplants course is a study of each engine part in theoretical and practical detail. Students will disassemble an aircraft engine and determine dimensional compliance with overhaul specifications while using precision instruments and gauges. The engine will be reassembled to operational standards. Students will be supervised in the operation of assorted types of reciprocating engines early in the course for orientation purposes.

Prerequisite: Completion of AVM-106 and AVM-247 with a passing grade, or instructor consent. IAI Code: None. PCS Code: 1.2. Lecture: 5. Lab: 5.

AVM 163 - Ignition Systems (3 credits)

The Ignition Systems course is a complete study of high- and low-tension systems for reciprocating and turbine engines. Magnetos will be treated in detail. Special emphasis will be placed on switches, harnesses and spark plugs with related troubleshooting under operational conditions.

Prerequisite: Completion of AVM-162 with a passing grade, or instructor consent. IAI Code: None. PCS Code: 1.2. Lecture: 3. Lab: 2.

AVM 164 - Advanced Powerplants (6 credits)

The Advanced Powerplants course is a theoretical and practical approach to servicing, repair, overhaul, and operation of reciprocating and turbine engines with stress on developing troubleshooting skills. Theory and operation of induction, cooling, and exhaust systems for reciprocating and turbine engines will be covered. Removal and installation of engines and components and control rigging will be practiced.

Prerequisite: Completion of AVM-162 with a passing grade, or instructor consent. IAI Code: None. PCS Code: 1.2. Lecture: 5. Lab: 5.

AVM 165 - Engine Electrical Systems (2 credits)

The Engine Electrical Systems course consists of theory and practice in the repair and testing of engine electrical components including starters, generators, alternators and their regulating devices, switches, controls, wiring and

circuit protection methods.

Prerequisite: Completion of AVM-160 with a passing grade, or instructor consent. IAI Code: None. PCS Code: 1.2. Lecture: 2.5. Lab: 2.5.

AVM 166 - Propeller Systems (3 credits)

The Propeller Systems course covers the theory and practice of propeller installation and removal, inspection, servicing and repair of fixed pitch, constant speed, full feathering propellers and their governing systems.

Prerequisite: Completion of AVM-160 with a passing grade, or instructor consent. IAI Code: None. PCS Code: 1.2. Lecture: 2.5. Lab: 2.5.

AVM 241 - Aircraft Finishing and Covering (3 credits)

The Aircraft Finishing and Covering course presents procedures concerning the interior and exterior structure of airframes as they apply to various finishing methods. Emphasis will center on application of trim, letters, touch up paint and dope, inspection of finishes and identification of defects. An introduction to fabric-covering, plastics, honeycomb, laminated structures, bonded structures, interiors, doors and windows will also be covered.

Prerequisite: Completion of AVM-106 with a passing grade, or instructor consent. IAI Code: None. PCS Code: 1.2. Lecture: 2.5. Lab: 2.5.

AVM 242 - Cabin Atmosphere Control Systems (2 credits)

The Cabin Atmosphere Control Systems course covers the inspection, checking, troubleshooting, service and repair of heating, cooling, air conditioning, pressurization, and oxygen systems.

Prerequisite: Completion of AVM-246 with a passing grade, or instructor consent. IAI Code: None. PCS Code: 1.2. Lecture: 1. Lab: 2.

AVM 243 - Aircraft Welding (1 credit)

The Aircraft Welding course is a theoretical and practical approach to the methods of aircraft fabrication and repair by gas, arc, and heliarc welding. To be covered is the welding of steel, magnesium, titanium, and aluminum, the soldering of stainless steel and brass; brazing, and the fabrication of tubular structures.

Prerequisite: Completion of AVM-246 with a passing grade, or instructor consent. IAI Code: None. PCS Code: 1.2. Lecture: 1. Lab: 1.

AVM 244 - Aircraft Auxiliary Systems (1 credit)

The Aircraft Auxiliary Systems course covers the inspection, checking, troubleshooting, servicing, and repair of aircraft position and warning, ice and rain control, and fire protection systems.

Prerequisite: Completion of AVM-246 with a passing grade, or instructor consent. IAI Code: None. PCS Code: 1.2. Lecture: 1. Lab: 1.

AVM 245 - Aircraft Electrical Systems (3 credits)

The Aircraft Electrical Systems course is designed to familiarize students with the installation, checking, troubleshooting, servicing, and repair of aircraft electrical systems and components.

Prerequisite: Completion of AVM-102 with a passing grade, or instructor consent. IAI Code: None. PCS Code: 1.2. Lecture: 2.5. Lab: 2.5.

AVM 246 - Aircraft Instrument and Communication Systems (2 credits)

The Aircraft Instruments and Communication Systems course is designed to give students a basic understanding of installation, inspection, checking, servicing, and repair of aircraft instrument, communication and navigation systems.

Prerequisite: Completion of AVM-104 with a passing grade, or instructor consent. IAI Code: None. PCS Code: 1.2. Lecture: 1. Lab: 2.

AVM 247 - Aircraft Metal Structures (6 credits)

The Aircraft Metal Structures course covers the inspection, installation, repair, checking, servicing, and fabrication of sheet metal.

Prerequisite: Completion of AVM-250 with a passing grade, or instructor consent. IAI Code: None. PCS Code: 1.2. Lecture: 5. Lab: 5.

AVM 248 - Hydraulic & Pneumatic Control Systems (3 credits)

The Hydraulic and Pneumatic Control Systems course covers the repair, inspection, checking, servicing, and troubleshooting of hydraulic and pneumatic systems. Also covered is the identification and selection of hydraulic lubricants.

Prerequisite: Previous or concurrent enrollment in AVM-249 and AVM-250. IAI Code: None. PCS Code: 1.2. Lecture: 2.5. Lab: 2.5.

AVM 249 - Aircraft Fuel Systems (1 credit)

The Aircraft Fuel Systems course explains checking, inspection, repair, troubleshooting, servicing, management, transfer, and defueling of fuel systems. To be included are fuel pump, pressure fueling, components, fluid quantity, pressure and temperature warning systems.

Prerequisite: Previous or concurrent enrollment in AVM-248 and AVM-250. IAI Code: None. PCS Code: 1.2. Lecture: 1. Lab: 1.

AVM 250 - Assembly and Rigging (3 credits)

The Assembly and Rigging course provides practical knowledge in rigging alignment, assembly, balancing, and jacking of aircraft.

Prerequisite: Previous or concurrent enrollment in AVM-248 and AVM-249. IAI Code: None. PCS Code: 1.2. Lecture: 2.5. Lab: 2.5.

AVM 251 - Landing Gears Systems (3 credits)

The Landing Gears systems course includes the inspection, checking, servicing and repair of landing gear, retraction systems, shock struts, brakes, wheels, tires and steering systems.

Prerequisite: Completion of AVM-250 with a passing grade, or instructor consent. IAI Code: None. PCS Code: 1.2. Lecture: 2.5. Lab: 2.5.

AVM 252 - Airframe Inspection (2 credits)

The Airframe Inspection course covers the performance of airframe conformity and airworthiness inspection procedures.

Prerequisite: Completion of AVM-246 with a passing grade, or instructor consent. IAI Code: None. PCS Code: 1.2. Lecture: 2. Lab: 1.

BIO-Biology

BIO 100 - Introductory Human Biology (3 credits)

Introductory Human Biology is intended to equip liberal arts majors having a limited or no science background with a knowledge of major biological concepts including cellular biology, molecular biology, human structure and function, genetics, evolution and heredity using humans as the study organism. Emphasis will be placed on human health and disease, as well as lifestyle choices that impact human health. Credit will not be counted toward graduation if taken after any college anatomy course (Recommended for students pursuing an Allied Health track.)

Prerequisite: None. IAI Code: L1 904. PCS Code: 1.1. Lecture: 3. Lab: 0.

BIO 103 - Introductory Life Science (3 credits)

Introductory Life Science is designed as an introductory life science course for liberal arts majors or other students interested in a survey of biological principles. Topics covered range from the cell and the theory of evolution to genetic engineering. Credit for BIO-103 will not be counted toward graduation if students have previous credit for BIO-162. Credit for BIO-103 will not be counted toward graduation upon completion of BIO-201, or BIO-205. Recommended that BIO-104 be taken in same semester as BIO-103, particularly for students pursuing an Allied Health track.

Prerequisite: None. Corequisite: It is recommended that BIO-104 be taken in the same semester as BIO-103. IAI Code: L1 900. PCS Code: 1.1. Lecture: 3. Lab: 0.

BIO 104 - Introductory Life Science Laboratory (1 credit)

Introductory Life Science Laboratory is intended as a laboratory experience to complement BIO-103. Students meet two hours each week and explore basic biological concepts such as cell theory, evolution, and genetic engineering through hands-on exercises and online laboratories. Recommended that students take BIO-103 and BIO-104 in the same semester. Credit for BIO-104 will not be granted toward science credits without completion of BIO-103. Credit for BIO-104 will not be counted toward graduation if students have previous credit for BIO-201 or BIO-205. (Recommended for students pursuing Allied Health Track.)

Prerequisite: This course is limited to students currently enrolled in BIO-103 or who have completed BIO-103 or its equivalent. IAI Code: L1 900L. PCS Code: 1.1. Lecture: 0. Lab: 2.

BIO 106 - Environmental Biology (3 credits)

Environmental Biology is designed as an introductory life science course for liberal arts majors or other students interested in environmental issues. Topics covered include ecology, pollution, and other environmental issues, with emphasis on current events and possible solutions for the future. Recommended that BIO-107 be taken in same semester as BIO-106.

Prerequisite: None. Corequisite: It is recommended that BIO-107 be taken in the same semester as BIO-106. IAI

Code: L1 905. PCS Code: 1.1. Lecture: 3. Lab: 0.

BIO 107 - Environmental Biology Laboratory (1 credit)

Environmental Science Laboratory is intended as a laboratory experience to complement BIO-106. Students meet two hours each week and explore environmental science topics through hands-on exercises, videos, field experiences, and computer activities. It is recommended that students take BIO-106 and BIO-107 in the same semester. Credit for BIO-107 will not be granted toward science credits without completion of BIO-106.

Prerequisite: This course is limited to students currently enrolled in BIO-106 or who have completed BIO-106 or its equivalent. IAI Code: P1 905L. PCS Code: 1.1. Lecture: 0. Lab: 2.

BIO 113 - Plants and Society (4 credits)

Plants and Society is a laboratory-based introductory life science course for liberal arts majors or other students interested in a survey of biological principles using plants as the study organism. Course concepts include cell and molecular biology, plant structure and function, plant genetics and heredity, evolution, ecology, and the inter-relationships between plants and humans.

Prerequisite: None. IAI Code: L1 901L. PCS Code: 1.1. Lecture: 3. Lab: 3.

BIO 140 - Introduction to Evolution (3 credits)

Introduction to Evolution is designed to introduce liberal arts majors or other students to the major principles of evolutionary biology. The course will include a history of evolutionary thought and will work through the fundamental concepts of geological evolution and its impact on life, the origins and history of life, mechanisms of evolution, and evolutionary genetics. Although the emphasis will be on major concepts, the course will also provide some understanding of the methods used in evolutionary investigations.

Prerequisite: None. IAI Code: L1 907. PCS Code: 1.1. Lecture: 3. Lab: 0.

BIO 150 - Microbes and Society (3 credits)

Microbes and Society is designed for the general student who wishes to learn more about microbes. This class emphasizes scientific inquiry through selected concepts in biology, such as organization, function, heredity, evolution and ecology, using microbes as the type of organism. Topics may include a survey of microorganisms, the role of microorganisms in health and disease, ecological and economic roles of microbes and the role of microorganisms in biotechnology.

Prerequisite: None. Corequisite: It is recommended that BIO-152 be taken in the same semester as BIO-150. IAI Code: L1 903. PCS Code: 1.1. Lecture: 3. Lab: 0.

BIO 152 - Microbes and Society Laboratory (1 credit)

Microbes and Society Laboratory is designed as a laboratory experience to complement BIO-150. The lab experience will offer students the opportunity to see how relevant microbial organisms are to our day to day life by making food, creating nutrients, cleaning our environmental and more. Students meet two hours each week and explore basic biological concepts through hands-on exercises and on-line laboratories. This course is limited to students currently enrolled or who have completed BIO-150 or its equivalent. Credit for BIO 152 will not be granted toward science credits without completion of BIO 150.

Prerequisite: This course is limited to students currently enrolled in, or who have completed BIO-150, or its equivalent. IAI Code: L1 903L. PCS Code: 1.1. Lecture: 0. Lab: 2.

BIO 162 - Human Heredity (3 credits)

Human Heredity is designed for liberal arts majors or other students who want to learn more about the principles of human heredity, population genetics, and recent discoveries in genetics including the mapping of the human genome and genetic technology. The ethical issues raised due to advances in human heredity will also be examined. Credit for BIO-162 will not be counted as science credit toward graduation if students have previous credit for BIO-103. Credit for BIO-162 will not be counted as science credit toward graduation upon completion of BIO-201 or BIO-205.

Prerequisite: None. IAI Code: L1 906. PCS Code: 1.1. Lecture: 3. Lab: 0.

BIO 171 - Biology of Human Disease (3 credits)

Biology of Human Disease is designed for the general student who wishes to learn more about diseases affecting the human body, their causes and risk factors, transmission, prevention and treatments. Topics covered include specific disorders affecting each body system including viral diseases, AIDS, and cancer.

Prerequisite: None. IAI Code: None. PCS Code: 1.1.

Lecture: 3. Lab: 0.

BIO 185 - Foundations of Anatomy and Physiology (5 credits)

Foundations of Anatomy and Physiology is intended for students in pre-nursing, pre-respiratory therapy, pre-radiology, physical education, or other fields requiring only one semester of anatomy and physiology. This course undertakes a systems-approach, comprehensive study of the human body including the eleven main body systems as well as cytology, histology and homeostasis. Lab emphasizes the interrelationships between structure and function utilizing microscopy, dissection of the fetal pig and other vertebrate organs, the study of models, and physiological experiments. The course credit for BIO-185 will not be counted as science credit toward graduation upon completion of BIO-281 and BIO-282.

Prerequisite: Successful completion of BIO-100, BIO-103, or BIO-201 with a grade of C or higher (recommended within the last 5 years). IAI Code: None. PCS Code: 1.1. Lecture: 4. Lab: 2.

BIO 201 - Fundamentals of Biology I (4 credits)

Fundamentals of Biology I is the first of two courses required for life science and pre-professional majors such as pre-medicine, pre-dentistry, pre-pharmacy, and pre-veterinary medicine. This course provides an introduction to fundamental processes of organisms at the cellular and molecular level or organization. Course topics include bio-chemistry, cell structure and function, cellular metabolism, genetic information flow, and theory of inheritance. Credit for BIO-103, BIO-162 or BIO-205 will not be counted as science credit toward graduation upon completion of BIO-201.

Prerequisite: Recommend completion of CHM-120 or equivalent. IAI Code: L1 910L, BIO 910. PCS Code: 1.1. Lecture: 3. Lab: 3.

BIO 202 - Fundamentals of Biology II (4 credits)

Fundamentals of Biology II is the second of two courses required for life science and pre-professional majors such as pre-medicine, pre-dentistry, pre-pharmacy, and pre-veterinary medicine. This course provides an introduction to higher levels of biological organization from the organism to the ecosystem. Course topics include organismal diversity, mechanisms of micro- and macro-evolution, behavioral ecology, and the dynamics and organization of populations, communities and ecosystems.

Prerequisite: Successful completion of BIO-201 with a grade of C or higher. IAI Code: L1 910L, BIO 910. PCS Code: 1.1. Lecture: 3. Lab: 3.

BIO 274 - Microbiology (4 credits)

Microbiology is a foundation course for students pursuing a variety of biological and medical professions, as well as other interested students. Emphasis is on the broad principles of microbiology, illustrating the interrelationships between microorganisms, their environments, and humans.

Prerequisite: Prerequisite: Successful completion of BIO-100, BIO-103, BIO-150, BIO-201 with a grade of C or higher (recommended within the last 5 years). Recommended successful completion of CHM-110 or higher Chemistry course with a C or higher. IAI Code: None. PCS Code: 1.1. Lecture: 2. Lab: 4.

BIO 281 - Human Anatomy and Physiology I (4 credits)

Human Anatomy and Physiology I is designed for students pursuing admission to four-year nursing and other Allied Health programs. This in-depth course covers approximately half the body systems, including cytology, histology, and the integumentary, skeletal, muscular and nervous systems. Laboratory exercises provide hands-on study through the use of prepared materials, cadavers and histological preparations.

Prerequisite: Successful completion of CHM-120 or CHM-210, and either BIO-100, BIO-103, or BIO-201 with a grade of C or higher (recommended within last 5 years). IAI Code: None. PCS Code: 1.1. Lecture: 3. Lab: 3.

BIO 282 - Human Anatomy and Physiology II (4 credits)

Human Anatomy and Physiology II is a companion course to BIO 281 - Anatomy and Physiology I. Anatomy and Physiology II covers the remaining body systems including the endocrine, circulatory, lymphatic, respiratory, digestive, urinary and reproductive, as well as fluid and electrolyte balance, acid-base balance, and pregnancy. Laboratory exercises provide hands-on study through the use of prepared materials, gross organ dissection, cadavers, histological preparations and computer simulations.

Prerequisite: Successful completion of BIO-281 with a grade of C or higher. IAI Code: None. PCS Code: 1.1. Lecture: 3. Lab: 3.

BUS-Business

BUS 101 - Introduction to Business (3 credits)

Introduction to Business introduces business functions, operations, and organization. The course includes forms of ownership, management, finance, business ethics, personnel and labor-management relations, and marketing.

Prerequisite: None. IAI Code: None. PCS Code: 1.1. Lecture: 3. Lab: 0.

BUS 103 - Business Mathematics (3 credits)

Business Mathematics develops skill in handling the mathematics of business transactions as a businessperson and a consumer. After a review of the fundamental processes, problems are covered which involve percentage, markup, discounts, interest, taxation, bank reconciliation, payroll, insurance, index numbers, stocks and bonds.

Prerequisite: Successful completion of MTH-092 with a grade of C or higher. IAI Code: None. PCS Code: 1.2. Lecture: 3. Lab: 0.

BUS 105 - Consumer Economics and Personal Finance (3 credits)

Consumer Economics and Personal Finance studies the personal, social, and political aspects of consumer roles. Among the topics discussed are consumer rights and responsibilities, consumer law, consumer decision-making, purchase decisions in various product and service categories, budgeting, taxes, macro-economic policy and inflation, borrowing, saving and investing.

Prerequisite: None. IAI Code: None. PCS Code: 1.1. Lecture: 3. Lab: 0.

BUS 130 - Entrepreneurship Principles (3 credits)

Entrepreneurship Principles examines the various skills and habits essential for a successful entrepreneurial venture. Real world case studies will provide opportunities to analyze why certain businesses fail while others succeed. Students will also encounter exposure to a variety of entrepreneurship ventures through lectures and live experiences that support growth in problem recognition, and solution development, and the exploration of career options.

Prerequisite: None. Corequisite: Concurrent enrollment in BUS-131. IAI Code: None. PCS Code: 1.2. Lecture: 3. Lab: 0.

BUS 131 - Entrepreneurship Planning (3 credits)

Entrepreneurship Planning examines how demographics, creativity, innovation, technology, and social changes create business opportunities. This course investigates the skills required to analyze appropriate business opportunities based on personal strengths and abilities; as well as the influences of professional and financial goals. This course demonstrates the process involved in developing a marketing strategy for an entrepreneurial business plan. This course will also introduce the ethical and social responsibility aspects of entrepreneurial ventures.

Prerequisite: Previous or concurrent enrollment in BUS-130. IAI Code: None. PCS Code: 1.2. Lecture: 3. Lab: 0.

BUS 170 - Introduction to Organizational Behavior (3 credits)

Introduction to Organizational Behavior is an introduction to the theories and concepts of human behavior in organizations. Foundations of behavior of individuals and groups and organizational structure are studied. Application of these theories and concepts of management issues are discussed.

Prerequisite: None. IAI Code: None. PCS Code: 1.2. Lecture: 3. Lab: 0.

BUS 200 - Legal Environment in Business (3 credits)

Legal Environment in Business is a study of the legal and social environment of business, with emphases on business ethics and corporate social responsibilities. Areas of concentration include governmental regulation of business, securities law, consumer protection law, labor law and employment law.

Prerequisite: None. IAI Code: None. PCS Code: 1.1. Lecture: 3. Lab: 0.

BUS 201 - Business Law (3 credits)

Business Law is an introduction to the legal system as it affects business activity. Areas of concentration include formation and nature of contracts, the agency relationships, and the Uniform Commercial Code, Law of Sales, and Commercial Paper.

Prerequisite: Completion of BUS-101 with a passing grade. IAI Code: None. PCS Code: 1.1. Lecture: 3. Lab: 0.

BUS 203 - Economics for Business (3 credits)

Economics for Business is a basic survey course in

economics focusing on conceptual understanding of basic economic principles and their application to practical analysis rather than mathematical interpretations. Areas of concentration include economic decision-making, price determination, goals and problems of the macro economics, the role of government in the macro-economy and markets, monetary theory, costs of production, competition and market structure, and labor issues.

Prerequisite: None. IAI Code: None. PCS Code: 1.1. Lecture: 3. Lab: 0.

BUS 223 - Business Statistics (3 credits)

Business Statistics addresses the basic concepts of statistical analysis used in business decision-making, including the use of probability to deal with uncertainty. The student will analyze and work out simple problems and will be able to recognize the application of different statistical techniques, interpret the results of analyses, and recognize instances in which statistical techniques have been misused. Statistical concepts and techniques covered include measures of location, measures of variability, sampling distributions, interval estimation, hypothesis testing, variance analysis, and simple linear regression.

Prerequisite: Successful completion of MTH-120, MTH-132, MTH-135, MTH-160, MTH-211, or MTH-220 with a grade of C or higher, or instructor consent. IAI Code: BUS 901. PCS Code: 1.1. Lecture: 3. Lab: 0.

BUS 230 - Entrepreneurship Capstone (3 credits)

Entrepreneurship Capstone is designed to develop student competency in business research instrumental for constructing a solid business plan. The course focuses on developing these skills by expanding feasibility studies and implementing the detailed business plan. Students will defend concepts through presentations and local competitions. The learning environment provides a dynamic, interactive experience that combines the classroom with experiential learning.

Prerequisite: Successful completion of BUS-131 with a grade of C or higher, or instructor consent. IAI Code: None. PCS Code: 1.2. Lecture: 3. Lab: 0.

BUS 279 - Principles of Finance (3 credits)

Principles of Finance is an introduction of financial techniques used in management decisions. The course emphasizes the basic principles of finance including the process, institutions, markets, and instruments involved in the transfer of money among individuals, businesses and governments.

Prerequisite: Successful completion of MTH-096S or MTH-096A or MTH-094 with a grade of C or higher, and completion of ATG-110 with a passing grade. IAI Code: None. PCS Code: 1.2. Lecture: 3. Lab: 0.

BUS 282 - International Business (3 credits)

International Business examines why international business takes place, what advantages accrue to firms operating internationally, what makes international business different from purely domestic operations, and how these operations relate to a country's overall international economic position.

Prerequisite: Completion of BUS-101 with a passing grade. IAI Code: None. PCS Code: 1.2. Lecture: 3. Lab: 0.

BUS 295 - Independent Study in Business Administration (1-6 credits)

Independent Study in Business Administration is designed for the student who desires to conduct an individual project or research based on personal goals and objectives in an area of special interest in business. Course requirements are based on the nature of the subject under study. A maximum of six semester hours of credit can be earned in this course or a combination of this course and an internship course. This course may be repeated three times.

Prerequisite: Enrollment in the general business curriculum, successful completion of 30 semester hours of credit at RVC and instructor or Dean consent. IAI Code: None. PCS Code: 1.2. Lecture: 1-6. Lab: 0.

BUS 296 - Special Topics in Business Administration (1-6 credits)

Special Topics in Business Administration provides an overview of the many facets involved in managing and organizing today's nonprofit organization. This course will assume a realistic posture of the many and various functions involved in obtaining managerial success in a non-profit organization. Course may be repeated three times.

Prerequisite: None. IAI Code: None. PCS Code: 1.2. Lecture: 1-4. Lab: 0.

BUS 298 - Global Small Business Incubator (3 credits)

Global Small Business Incubator is a multidisciplinary capstone course which allows for the real-time application of small business planning, strategic management, accounting, finance, operations, sales, marketing, supply chain management, and international business theory.

Students, through collaborative action-learning, will develop an understanding of management, entrepreneurship, and business practices that are ethically, socially, and globally responsible.

Prerequisite: Successful completion of 15 credit hours from Accounting (ATG), Business (BUS), Management (MGT), Marketing (MKT). IAI Code: None. PCS Code: 1.2. Lecture: 2. Lab: 2.

CHM-Chemistry

CHM 099 - Introductory Chemistry (3 credits)

Introductory Chemistry is designed for the student who has not had high school chemistry or who wishes a basic review of high school chemistry. The course provides an introduction to the concepts, principles and calculations of general inorganic chemistry. The intent of this course is to ensure a more seamless and successful transition to a transferable college-level chemistry course. Credit for CHM 099 will not be counted toward graduation.

Prerequisite: Successful completion of MTH-092, MTH-096A, MTH-096S, or equivalent with a grade of C or higher. IAI Code: None. PCS Code: 1.4. Lecture: 2. Lab: 3.

CHM 105 - Chemistry and Society (4 credits)

Chemistry and Society is designed for a student pursuing a non-science associates degree and is seeking a chemistry course to satisfy the Physical Science General Education requirements for an Associate of Arts (A.A.) degree. This course provides a broad background in general chemistry principles and examines the influence of chemistry on society through studies on topical subject areas in chemistry such as energy, environmental or health issues. This course is not intended for science or engineering majors. Credit will not be counted toward graduation if a student also completes CHM 110-General, Organic, & Biochemistry I or CHM 120-General Chemistry I. Recent high school chemistry or CHM-099 taken within the last five years is highly recommended before taking this course.

Prerequisite: Successful completion of MTH-092, MTH-096A, MTH-096S, or equivalent with a grade of C or higher. IAI Code: P1 903L. PCS Code: 1.1. Lecture: 3. Lab: 3.

CHM 110 - General, Organic and Biochemistry I (4 credits)

General, Organic and Biochemistry I is designed for the Allied Health students who require introductory organic chemistry as part of their Program of Study. This course is the first semester of a two-semester sequence, and provides an introduction to the principles and fundamentals of general chemistry upon which organic chemistry is based. Topics covered include measurements; states, compositions, and properties of matter; atomic structure and chemical bonding; chemical reactions, chemical equations and calculations of formula mass and moles; solutions; acid-base equilibria and nuclear chemistry. This course will satisfy the General Education Physical Science requirement for an Associate of Arts (A.A) degree or an Associate in Science (A.S.) degree.

Prerequisite: High school chemistry completed within the last 5 years with a grade of C or higher, or successful completion of CHM-099 with a grade of C or higher; and MTH-094, MTH-096S, or equivalent with a grade of C or higher. IAI Code: P1 902L. PCS Code: 1.1. Lecture: 3. Lab: 3.

CHM 120 - General Chemistry I (4 credits)

General Chemistry I is the first semester of a college-level two-semester sequence in the study of the fundamental principles and concepts of chemistry with emphasis on such topics as stoichiometry; atomic structure; chemical periodicity; chemical bonding and structure; chemical reactions; gases; acids, bases, and salts, and thermochemistry. Laboratory time is devoted to experiments illustrating the above. CHM 120 is generally required for science majors and engineers, and satisfies part of the General Education Physical Science requirement for an Associate in Science (A.S) degree or an Associate of Arts (A.A.) degree.

Prerequisite: High school chemistry completed within the last 5 years with a grade of C or higher, or CHM-099 with a grade of C or higher; and MTH-120, MTH-132, or equivalent with a grade of C or higher. IAI Code: P1 902L, CHM 911. PCS Code: 1.1. Lecture: 3. Lab: 3.

CHM 130 - General Chemistry II (4 credits)

General Chemistry II is the second semester continuation of CHM 120 with emphasis on such topics as intermolecular forces, solutions, kinetics, chemical equilibrium, acid-based equilibria, thermodynamics, oxidation-reduction chemistry, and electrochemistry. Laboratory required. CHM 130 is generally required for science majors and engineers, and is a prerequisite for CHM-220: Organic Chemistry I.

Prerequisite: Successful completion of CHM-120 with a grade of C or higher. IAI Code: CHM 912. PCS Code: 1.1.

Lecture: 3. Lab: 3.

CHM 210 - General, Organic and Biochemistry II (4 credits)

General, Organic and Biochemistry II is the second semester continuation of CHM 110, and focuses on the organic and biochemical nature of compounds. Topics include organic nomenclature, structure, physical properties, reactions and synthesis of major organic functional groups. In addition, this course provides an introduction to biochemical topics such as carbohydrates, lipids, proteins, nucleic acids and their subsequent metabolism. This course may be a requirement for some Allied Health programs.

Prerequisite: Successful completion of CHM-110 with a grade of C or higher. IAI Code: None. PCS Code: 1.1. Lecture: 3. Lab: 3.

CHM 220 - Organic Chemistry I (5 credits)

Organic Chemistry I is designed for science majors and pre-professional students. It presents the chemistry of alkanes, cycloalkanes, alkyl halides, alkenes, alkynes, alcohols, thiols, ketone, aldehydes, and ethers, with emphasis on structure and bonding, preparation, reactions, stereochemistry and reaction mechanisms of these and related compounds. Laboratory emphasizes basic techniques used in synthesis and qualitative analysis of organic compounds including instrumentation.

Prerequisite: Successful completion of CHM-130 with a grade of C or higher. IAI Code: CHM 913. PCS Code: 1.1. Lecture: 3. Lab: 4.

CHM 230 - Organic Chemistry II (5 credits)

Organic Chemistry II is a continuation of CHM-220 and is designed for science majors and pre-professional students. It presents the chemistry of aromatic systems, carbonyl compounds, carboxylic acids and their derivatives, amines, coupling reactions, and biomolecules. This study includes spectroscopy, methods of preparation, reactions and reaction mechanisms of these and related compounds. Laboratory emphasizes basic techniques used in synthesis and qualitative analysis, including instrumentation.

Prerequisite: Successful completion of CHM-220 with a grade of C or higher. IAI Code: CHM 914. PCS Code: 1.1. Lecture: 3. Lab: 4.

CHM 240 - General Biological Chemistry (3 credits)

General Biological Chemistry is designed to give the student a broad overview of the interactions of biologically active molecules. A review of basic organic functional groups will be provided as well as a review of energy requirements for chemical reactions. Four classes of biologically active molecules (carbohydrates, lipids, proteins and nucleic acids) will be studied in detail, culminating in a discussion of how these molecules interact to create and sustain living organisms (metabolism). This course is designed to provide students with sufficient background in biological chemistry to gain admission to programs in pharmacy, nutrition, nursing and other health science major programs which require proficiency in such.

Prerequisite: Successful completion of CHM-210 with a grade of B or higher, or CHM-220 with a grade of C or higher. IAI Code: None. PCS Code: 1.1. Lecture: 3. Lab: 0.

CIS-Computers and Information Systems

CIS 102 - Introduction to Computers and Information Systems (3 credits)

Introduction to Computers and Information Systems surveys the uses of computers in business, industry and the home. This course introduces computer concepts, principles, and terminology. A number of hands-on computer experiences are provided, including using word processing, spreadsheet, presentation and database software.

Prerequisite: None. IAI Code: None. PCS Code: 1.2. Lecture: 3. Lab: 0.

CIS 120 - Introduction to Microsoft Word (1 credit)

Introduction to Microsoft Word will present the basics of word processing along with such features as creating, formatting, editing, saving, and printing a document. The techniques required for changing fonts and point sizes, setting and deleting tabs, creating headers, footers, footnotes, and using editing tools such as the spell checker will be taught.

Prerequisite: Keyboard proficiency or equivalent experience. IAI Code: None. PCS Code: 1.2. Lecture: 1. Lab: 0.

CIS 121 - Introduction to Excel (1 credit)

Introduction to Excel will demonstrate the use of basic topics including spreadsheet design, formulas, functions,

and graphing. The use of this package will be presented in a business problem-solving setting.

Prerequisite: Keyboard proficiency or equivalent experience. IAI Code: None. PCS Code: 1.2. Lecture: 1. Lab: 0.

CIS 124 - Introduction to Power Point (1 credit)

Introduction to PowerPoint will present the basics needed to create, edit, and enhance presentations. Drawings, clip art, color schemes, charts, and text will be used to teach the creation of notes, handouts, outlines, and presentation slides.

Prerequisite: Keyboard proficiency or equivalent experience. IAI Code: None. PCS Code: 1.2. Lecture: 1. Lab: 0.

CIS 130 - Introduction to Access (2 credits)

Introduction to Access is designed to teach the student the features available in Microsoft Access. The topics of creating a database, storing, sorting, and retrieving data, and querying a database will be covered. The student will learn about database management as well as the creation of forms, reports, and labels for information presentation.

Prerequisite: Keyboard proficiency or equivalent experience. IAI Code: None. PCS Code: 1.2. Lecture: 2. Lab: 0.

CIS 170 - Programming Logic & Design (3 credits)

Programming Logic & Design introduces computer programming and problem solving in a structured program logic environment. It introduces key programming concepts, including structure, decision making, looping, arrays, and files, and enforces good style, modern conventions, and logical thinking. Students will also be introduced to object-oriented programming techniques and events. Students should take this course at the same time as they take their first programming class.

Prerequisite: None. IAI Code: None. PCS Code: 1.2. Lecture: 3. Lab: 0.

CIS 180 - Introduction to Visual Basic Programming (4 credits)

Introduction to Visual Basic Programming is an introductory course that is designed for students and professionals with little or no Visual Basic or Windows programming experience. The student will learn the BASIC language syntax, event-driven programming, and how to put together a complete Visual Basic Application. Topics such as Windows programming standards and conventions, database programming, array processing, controls, properties, methods and events will be discussed. This course is offered in the fall term.

Prerequisite: Completion of CIS-170 with a passing grade. IAI Code: None. PCS Code: 1.2. Lecture: 3. Lab: 2.

CIS 190 - Intro to Python Programming (4 credits)

Python is an incredibly flexible language, used in many ways in the field of IT. Programming, Web Design, IT Security, Networking and Network automation all utilize Python in some way, shape or form. Coverage will include data types, decision logic, looping, functions, strings, lists, tuples, and dictionaries as well as some introductory scripting exercises. Several programs will be written demonstrating the power and ease of Python.

Prerequisite: Completion of CIS-170 with a passing grade. IAI Code: None. PCS Code: 1.2. Lecture: 3. Lab: 1.

CIS 240 - Introduction to JAVA Programming (4 credits)

Introduction to JAVA Programming is a course designed to introduce the student to JAVA software development. Students will write platform-independent, object-oriented code for conventional applications and for Internet- and Intranet-based applets. Topics covered may include fundamental programming principles, concepts and practices; console user interfaces (CUI) and graphical user interfaces (GUI); multimedia (images, animation, and audio); object-oriented programming, arrays, basic containers, text processing, inheritance, polymorphism, exception processing, and recursion. A number of programming assignments will be given to enable the student to build real-world JAVA applications. This course is offered in the spring term.

Prerequisite: Completion of CIS-170 with a passing grade. IAI Code: None. PCS Code: 1.2. Lecture: 3. Lab: 2.

CIS 245 - Programming Android for Mobile Devices (4 credits)

Programming Android for Mobile Devices introduces the programming of simple Android mobile device applications. This course provides an overview of the Java language, and an introduction to the Android operating system and to Android application development. By the end of the course, the student will have a firm foundation in Android programming and usage. This course is offered in the spring term.

Prerequisite: Completion of CIS-102 with a passing grade. IAI Code: None. PCS Code: 1.2. Lecture: 3. Lab: 2.

CIS 254 - Database Programming (4 credits)

Database Programming introduces the student to the concept of database processing. Physical representation, modeling and commercial systems are covered. Each student will have the opportunity to write programs using desktop, workstation and server software. Client/server applications will be presented. The course will use a modern database system such as Oracle or MS SQL. This course is offered in the spring term.

Prerequisite: Completion of CIS-170 with a passing grade. IAI Code: None. PCS Code: 1.2. Lecture: 3. Lab: 2.

CIS 276 - Introduction to C/C++ Programming (4 credits)

Introduction to C/C++ Programming provides the student with an introduction to programming using the C/C++ programming language. This course is suitable for students with little or no programming background. C/C++ is an object-oriented programming language that will be used in this course to teach control structures: sequence, selection, iteration, to teach structured program design, programming style, documentation, modular design, code reusability, and program testing.

Prerequisite: Completion of CIS-102 with a passing grade. Students pursuing the Computer & Info Systems A.A.S. degree should also take CIS-170. IAI Code: CS 911. PCS Code: 1.2. Lecture: 3. Lab: 2.

CIS 277 - Advanced C/C++ Programming (4 credits)

Advanced C/C++ Programming is a continuation of CIS 276-Intro to C/C++ Programming. This course emphasizes the concepts, principles and practices of object-oriented programming and of data structures. Typical topics include classes, data abstraction, encapsulation, inheritance, polymorphism, information hiding, software reusability, overloading, vectors, lists, queue, stacks and STL. This course is offered in the spring term.

Prerequisite: Completion of CIS-276 with a passing grade. IAI Code: CS 912. PCS Code: 1.2. Lecture: 3. Lab: 2.

CIS 279 - Visual C# Programming (4 credits)

Visual C# Programming emphasizes event-driven programming. Typical topics include design principles and practices, object-oriented and procedural development, GUI design and implementation, data files and database connectivity, graphical resources, software project management, multi-threading and multitasking. This course is offered in the fall term.

Prerequisite: Completion of CIS-170 with a passing grade. IAI Code: None. PCS Code: 1.2. Lecture: 3. Lab: 2.

CIS 280 - Programming iOS Apple Mobile Devices (4 credits)

Programming iOS Apple mobile devices introduces the concept of programming simple iOS mobile device applications using Cocoa (application development environment) and Objective C. Students will learn basic Objective concepts, iPad programming basics, and use the SDK environment on Apple Macintosh computers with OS X as a development platform. Design concepts and programming tools will be integrated with an emphasis on developing and deploying iPad applications. This course is offered in the fall term.

Prerequisite: Completion of CIS-102 with a passing grade. IAI Code: None. PCS Code: 1.2. Lecture: 3. Lab: 2.

CIS 290 - Special Topics in Computers and Information Systems (1-6 credits)

Special Topics in Computers and Information Systems is a study of advanced topics in computer science. The student will study selected topics of current practices in computer information and support systems for business and industry. Students will also participate in one or more projects involving the project life cycle: analysis, design, coding, testing/debugging, implementation, and maintenance. Programming may be required. Exact course requirements are based on the nature of the topics under study.

Prerequisite: Consult the RVC Class Schedule at http://www.rockvalleycollege.edu/courses for the current semester to determine prerequisites and other requirements. IAI Code: None. PCS Code: 1.2. Lecture: 1-6. Lab: 1-6.

CIS 291 - Internship-Field Project (1-6 credits)

Internship-Field Project requires individual assignments at Rock Valley College or in a carefully selected local data processing installation. The primary purpose of this course is to give the student an in-depth study of a practical data processing application or subject.

Prerequisite: Successful completion of a sufficient number of courses to permit the student to perform a useful service to the host company; active pursuit of a Computers and Information Systems degree program; permit slip signed by Division Dean. This course may be repeated to a

maximum of six credits. IAI Code: None. PCS Code: 1.2. Lecture: 0. Lab: 1-6.

COM-Mass Communication

COM 113 - Introduction to Public Relations (3 credits)

Introduction to Public Relations provides an overview of the practices, theories, ethics, issues, and problems of public relations. Course material and projects explore the history and development of public relations and presents the overall process of researching, planning, decision making, action and communication, and evaluation.

Prerequisite: None. IAI Code: MC 913. PCS Code: 1.1. Lecture: 3. Lab: 0.

COM 119 - News Writing (3 credits)

News Writing introduces students to the basic elements of clear, concise, accurate, and balanced news writing. Students learn the techniques of news gathering, reporting, and interviewing as well as important differences between news stories, features, opinion pieces, and other type of news articles. The course also includes discussion of ethical and legal issues facing the press and journalists.

Prerequisite: None. IAI Code: MC 919. PCS Code: 1.1. Lecture: 3. Lab: 0.

COM 120 - News Editing (3 credits)

News Editing is an introduction to the principles and techniques of electronic editing, information management, and publication design emphasizing the editing of body copy and display type for maximum clarity and impact. The course will introduce methods to effectively edit stories, rewrite stories without distorting them, and create layouts for web and print. In addition, the class will focus on basics of typography, publication design, the logic of packaging, and the proper application of AP stylebook rules.

Prerequisite: Successful completion of COM-119 or COM-140 with a grade of C or higher, or instructor consent. IAI Code: MC 920. PCS Code: 1.1. Lecture: 2. Lab: 2.

COM 130 - Introduction to Mass Communication (3 credits)

Introduction to Mass Communication will examine the nature and impact of the mass media on our society and provide an overview of the nature, functions, responsibilities, and history of the mass communication industries in a global environment. Students will examine ethical, legal, moral and historical issues created by the use of mass media.

Prerequisite: None. IAI Code: MC 911. PCS Code: 1.1. Lecture: 3. Lab: 0.

COM 140 - Writing for Multimedia (3 credits)

Writing for Multimedia is an introduction to the basic writing skills necessary to create messages for the multimedia environment, such as web-based and other digital forms including text, audio, stills, and moving images. (Spring only)

Prerequisite: None. IAI Code: MC 922. PCS Code: 1.1. Lecture: 3. Lab: 0.

COM 156 - Audio Production I (3 credits)

Audio Production I is a basic introduction to the equipment, facilities, and terminology of the audio media industry. Students will work on individual and group recording projects including: public service announcements, podcasts, radio documentaries, and sound effects production. Students will be introduced to sound recording for video and non-linear multi-track audio editing and streaming audio on the web.

Prerequisite: None. Corequisite: Students must enroll concurrently in the corresponding semester section of COM-157. IAI Code: MC 915. PCS Code: 1.1. Lecture: 2. Lab: 2.

COM 157 - Video Production I (3 credits)

Video Production I is a basic introduction to the equipment, facilities, and terminology of the video media industry. Students will work in a multiple camera studio and produce live TV shows, short films, news packages, and create their own media production portfolio. Students will also be introduced to the fundamentals of script writing, non-linear video editing, camera operation, and lighting techniques.

Prerequisite: None. Corequisite: Students must enroll concurrently in the corresponding semester section of COM-156. IAI Code: MC 916. PCS Code: 1.1. Lecture: 2. Lab: 2.

COM 208 - Screenwriting (3 credits)

Screenwriting will cover the most important aspects of the art and craft of writing for the screen. Through classroom discussion of student writing and the study of assigned screenplays, films, and textbook readings, students will strengthen their familiarity with the structural elements of the motion picture screenplay. Students will also become

familiar with well-developed plot points, characters, settings, and other guiding elements of dramatic structure and character development. (Fall only)

Prerequisite: None. IAI Code: None. PCS Code: 1.1. Lecture: 3. Lab: 0.

COM 218 - Broadcast Performance (3 credits)

Broadcast Performance introduces students to the principles and techniques for on-air roles in broadcasting. This course emphasizes the development of voice quality, creating copy, reading and delivering commercials, news, interviews, public service announcements, and special events. Topics for class produced projects will include news, sports, commercials, and the operation of audio and video equipment.

Prerequisite: Successful completion of COM-156 and COM-157 with a grade of C or higher, or instructor consent. IAI Code: MC 918. PCS Code: 1.1. Lecture: 2. Lab: 2.

COM 221 - Photojournalism (3 credits)

Photojournalism is an introduction to the principles and techniques of photojournalism for use in a variety of platforms including print, broadcast, web, and social media. Students will use still photography and mobile video production techniques to create projects related to web journalism, public relations, and marketing.

Prerequisite: None. IAI Code: MC 921. PCS Code: 1.1. Lecture: 2. Lab: 2.

COM 251 - Film History and Appreciation (3 credits)

Film History and Appreciation is a survey of film as an art form and an industry. Particular emphasis is placed on lighting, sound, genre characteristics, image composition, editing, criticism, and social implications.

Prerequisite: None. IAI Code: F2 905. PCS Code: 1.1. Lecture: 3. Lab: 0.

COM 252 - International History of Film (3 credits)

International History of Film is a survey of major worldwide film movements, genres, directors and principle films with the purpose of understanding the social, economic, and political situations that have led to the mediums of evolution.

Prerequisite: None. IAI Code: F2 909. PCS Code: 1.1. Lecture: 3. Lab: 0.

COM 256 - Advanced Audio Production (3 credits)

Advanced Audio Production is designed to develop the student's skills with the equipment, facilities, and terminology of the audio industry as it relates to TV and film production. Students will work on individual and group projects including: location and studio recording techniques, sound design for TV and film, dialogue and music editing, and mixing from stereo to surround sound. Students will also be immersed into the technical aspects of sound recording and non-linear, multi-track audio editing. Projects will be completed both in the studio and in the field.

Prerequisite: Successful completion of COM-156 and COM-157 with a grade of C or higher, or instructor consent. IAI Code: None. PCS Code: 1.1. Lecture: 1. Lab: 4.

COM 257 - Cinematography (3 credits)

Cinematography is designed to give students specialized training in the video production industry, with an emphasis in advanced camera and lighting techniques. Students will produce multiple group and independent projects. This course will also instruct students in proper pre-production methods, A/V scripting and overall production business practices. (Spring only)

Prerequisite: Successful completion of COM-156 and COM-157 with a grade of C or higher, or instructor consent. IAI Code: None. PCS Code: 1.1. Lecture: 1. Lab: 4.

COM 260 - Advanced Post-Production (3 credits)

Advanced Post-Production instructs students in the areas of motion graphics, color grading, animation, and other image processing techniques. Students will develop skills in working with industry standard software and will apply those skills by creating original media projects.

Prerequisite: Successful completion of COM-156 and COM-157 with a grade of C or higher, or instructor consent. IAI Code: None. PCS Code: 1.2. Lecture: 1. Lab: 4.

COM 296 - Documentary Production (3 credits)

Documentary Production provides students with an overview of the history of the documentary film genre and develops the production skills necessary to create documentary films. Students will explore interview techniques, lighting, editing, and film distribution methods. The course projects include a personal documentary

project and will culminate in the production of a socially relevant short documentary film.

Prerequisite: Successful completion of COM-156 and COM-157 with a grade of C or higher, or instructor consent. IAI Code: None. PCS Code: 1.1. Lecture: 3. Lab: 0.

COM 297 - Motion Picture Production (3 credits)

Motion Picture Production is designed to give students the training and practical instruction to create and produce short narrative films. Students will write a short screenplay, cooperate on an all-class film project between 5-10 minutes in length, create a marketing campaign for their films, and host a screening of their work for the public. This course will provide students with advanced knowledge of screenwriting, script breakdown, scheduling, managing a projection, non-linear video editing systems, and field camera & sound work.

Prerequisite: Successful completion of COM-156 and COM-157 with a grade of C or higher, or instructor consent. IAI Code: None. PCS Code: 1.1. Lecture: 1. Lab: 4.

COM 298 - Mass Communication Internship (1-2 credits)

Mass Communication Internship provides elective credit for serving as a student intern for a media production facility including Rock Valley College. Students will learn about production equipment, operation, media selection, media planning, scripting, advertising, promotions and internal methodology.

Prerequisite: Varies with cooperating agency. IAI Code: None. PCS Code: 1.1. Lecture: 0. Lab: 2.

CRM-Criminal Justice

CRM 101 - Introduction to Criminal Justice (3 credits)

Introduction to Criminal Justice is open to all students and covers philosophy and history of law enforcement; crime and police problems; organization and jurisdiction of local, state, and federal law enforcement agencies; and a survey of professional career opportunities and qualifications required. The development of professionalism in the criminal justice/law enforcement field is a major part of this course. Accordingly, students will be exposed to, and expected to adhere to many of the customary professional standards to which careers in this field subscribe.

Prerequisite: None. IAI Code: None. PCS Code: 1.2. Lecture: 3. Lab: 0.

CRM 102 - Introduction to Probation and Parole (3 credits)

Introduction to Probation and Parole is designed to acquaint the student with the functions, procedures and objectives of probation and parole systems. Emphasis will be placed on developing the student's understanding of the role of probation and parole in the criminal justice system.

Prerequisite: None. IAI Code: None. PCS Code: 1.2. Lecture: 3. Lab: 0.

CRM 103 - Introduction to Corrections (3 credits)

Introduction to Corrections provides for the opportunity to study the history of corrections in society, as well as the philosophy of punishment as a means to deter crime. The course will also focus on contemporary issues in the field of corrections, including such topics as jail standards and the application of the Americans with Disabilities Act in the jail/prison system.

Prerequisite: None. IAI Code: CRJ 911. PCS Code: 1.2. Lecture: 3. Lab: 0.

CRM 104 - Introduction to Private Security (3 credits)

Introduction to Private Security is designed as an introductory review of the field for either supervisors or security personnel. The main emphasis of this course is in the areas of personnel and property conservation. Areas covered will include legal boundaries, human relations, interrogation, accident prevention, fire hazards and traffic control.

Prerequisite: None. IAI Code: None. PCS Code: 1.2. Lecture: 3. Lab: 0.

CRM 105 - Police Report Writing (3 credits)

Police Report Writing includes specialized training for law enforcement and private security personnel. The course includes a review of basic vocabulary, grammar and written organization skills. Thereafter, the course will center on the methods of writing reports in various components of the criminal justice system; emphasis will be on law enforcement narrative report writing. Students use the field notes, forms, narrative and description procedures of area law enforcement agencies.

Prerequisite: Successful completion of ENG-101 with a grade of C or higher. IAI Code: None. PCS Code: 1.2. Lecture: 3. Lab: 0.

CRM 120 - Criminal Investigation (3 credits)

Criminal Investigation covers the basics of criminal investigation, including crime scene search and recording; collection and preservation of physical evidence; scientific aids; sources of information; interviews and interrogations; follow-up investigations and case preparation.

Prerequisite: None. IAI Code: None. PCS Code: 1.2. Lecture: 3. Lab: 0.

CRM 125 - Criminal Procedure and Civil Rights (3 credits)

Criminal Procedure and Civil Rights covers the rights and privileges of individuals and groups. The emphasis is on current decisions, which govern the actions of law enforcement officers.

Prerequisite: None. IAI Code: None. PCS Code: 1.2. Lecture: 3. Lab: 0.

CRM 127 - Ethics in Law Enforcement (3 credits)

Ethics in Law Enforcement will introduce the student to the ethical principles that apply to those entering law enforcement and related career paths. Specific examples of police corruption in the United States will be examined. Students will be exposed to contemporary ethical standards, which govern the conduct of individuals entering these fields.

Prerequisite: None. IAI Code: None. PCS Code: 1.2. Lecture: 3. Lab: 0.

CRM 130 - Diversity and Criminal Justice (3 credits)

This course examines race and ethnicity in the context of the criminal justice system. Emphasis is on the treatment of minorities by law enforcement, courts, and corrections. Course topics include discrimination, inequality, policing communities of color, community relations, jury selection, trials, adjudications, the correctional system, victimization, offenders and the death penalty.

Prerequisite: Completion of CRM-101 with a passing grade. IAI Code: None. PCS Code: 1.2. Lecture: 3. Lab: 0.

CRM 201 - 21st Century Policing (3 credits)

This course explores alternative based approaches to traditional policing that focus on preventing crime and instilling trust within the community. Course topics include History of Policing in America, Police Use of Force, Search and Seizure, the Fourth Amendment, Community and Problem Oriented Policing, Crime Prevention and Deterrence, Biased Based Policing, Procedural Justice, Community & Police Engagement, Police Risk Management, and Police Accreditation and Professional Standards.

Prerequisite: Completion of CRM-101 with a passing grade. IAI Code: None. PCS Code: 1.2. Lecture: 3. Lab: 0.

CRM 210 - Criminal Law (3 credits)

Criminal Law covers the reasons for criminal laws; their source and function in our society; the structure, definitions, and most frequently used sections of the penal code and other criminal statutes, which apply to local jurisdictions; classifications of crimes; and the nature of crimes.

Prerequisite: None. IAI Code: None. PCS Code: 1.1. Lecture: 3. Lab: 0.

CRM 225 - Juvenile Procedures (3 credits)

Juvenile Procedures covers the position law enforcement agencies have in juvenile and delinquency control, organization and functions of related juvenile agencies, the laws governing the handling of juvenile offenders, and the application of those laws. Also included is a brief resume of the juvenile court and its jurisdiction.

Prerequisite: None. IAI Code: None. PCS Code: 1.2. Lecture: 3. Lab: 0.

CRM 260 - Police Organization and Administration (3 credits)

Police Organization and Administration is designed to give students a knowledge of the principles and practice involved in the organization and administration of law enforcement agencies. Special emphasis will be on management, planning, problems in division of work assignments, specialization, internal communication and budgeting.

Prerequisite: Completion of CRM-101 with a passing grade, or instructor consent. IAI Code: None. PCS Code: 1.2. Lecture: 3. Lab: 0.

CRM 271 - Patrol Procedures (3 credits)

Patrol Procedures will expose students to the patrol function of law enforcement. Emphasis will be placed on the techniques and procedures necessary to successfully investigate such incidents as crashes, domestic disputes, high-risk vehicle stops and other law enforcement calls for service.

Prerequisite: None. IAI Code: None. PCS Code: 1.2.

Lecture: 3. Lab: 0.

CRM 281 - Rules of Evidence (3 credits)

Rules of Evidence covers the importance of evidence collected and preserved by law enforcement officers. Subjects such as judicial evidence, proof, law of evidence, degree of certainty, kinds and types of evidence, relevancy and irrelevancy, materiality and immateriality, competency and incompetency will be covered. The course also covers the admissibility of evidence, confessions, reported testimonies, documented evidence, privileged communications, and sufficiency of evidence.

Prerequisite: None. IAI Code: None. PCS Code: 1.2. Lecture: 3. Lab: 0.

CRM 282 - Interviews and Interrogations (3 credits)

Interviews and Interrogations is designed to help the student understand the purpose and importance of proper interviews and the methods of interviewing. Assessment of the verbal and non-verbal communication in the interview/interrogation setting will be stressed. Students will learn the philosophy of interrogation, how to compose and ask questions, and what to avoid in interrogation.

Prerequisite: Completion of CRM-101 with a passing grade, or instructor consent. IAI Code: None. PCS Code: 1.2. Lecture: 3. Lab: 0.

CRM 283 - Special Topics in Police Science (1-4 credits)

Special Topics in Police Science is designed to meet the needs or interests of the prospective police applicant as well as the veteran officer. Course requirements are based on the topics under study. This course may be repeated three times.

Prerequisite: None. IAI Code: None. PCS Code: 1.2. Lecture: 1-4. Lab: 0.

CRM 291 - Internship (1-6 credits)

Internship provides for observation and limited participation in law enforcement or related agencies. Consent of program coordinator and agency is required. Seventy-five hours of internship is required for each hour of credit.

Prerequisite: Successful completion of 12 credits in the criminal justice curriculum. May be repeated for a total of six credits maximum. (Repeatable three times.). IAI Code: None. PCS Code: 1.2. Lecture: 1. Lab: 5-30.

DNT-Dental Hygiene

DNT 102 - Preventive Dental Hygiene (2 credits)

Preventive Dental Hygiene introduces the causes and prevention of the two most common dental diseases: dental caries and periodontal disease. Students learn to assess client needs and to provide oral health education that will help the client to maintain or enhance oral health. Theory on coronal polishing and ultrasonic scaling.

Prerequisite: Successful completion of BIO-282 with a grade of C or higher, and admission into the Dental Hygiene program. Corequisite: Concurrent enrollment in DNT-104, DNT-106, DNT-108, and DNT-109. IAI Code: None. PCS Code: 1.2. Lecture: 2. Lab: 0.

DNT 104 - Dental Anatomy, Histology, and Embryology (3 credits)

Dental Anatomy, Histology, and Embryology introduces the students to terminology relating to anatomic structures of the oral cavity. Special emphasis is placed on the teeth and root morphology of both primary and permanent teeth and occlusal classification.

Prerequisite: Successful completion of BIO-282 with a grade of C or higher, and admission into the Dental Hygiene program. Corequisite: Concurrent enrollment in DNT-102, DNT-106, DNT-108, and DNT-109. IAI Code: None. PCS Code: 1.2. Lecture: 3. Lab: 0.

DNT 106 - Head and Neck Anatomy (3 credits)

Head and Neck Anatomy will provide students with a detailed survey of the head and neck. Special emphasis will be placed on the skeletal, muscular, glandular, circulatory, nervous, lymphatic, and epithelial structures and the relationships between them. Surface anatomy and routes for the spread of infection through the head and neck will be included.

Prerequisite: Successful completion of BIO-282 and ENG-101 with a grade of C or higher, and admission into the Dental Hygiene program. Corequisite: Concurrent enrollment in DNT-102, DNT-104, DNT-108, and DNT-109. IAI Code: None. PCS Code: 1.2. Lecture: 3. Lab: 0.

DNT 108 - Pre-Clinical Dental Hygiene Theory (2 credits)

Pre-Clinical Dental Hygiene provides the students with the scientific principles of dental hygiene practice with emphasis on basic instrumentation, health/dental history introduction, and periodontal assessment. Theory of infection control standards and regulations are an integral

component to this course.

Prerequisite: Successful completion of BIO-282 with a grade of C or higher, and admission into the Dental Hygiene program. Corequisite: Concurrent enrollment in DNT-102, DNT-104, DNT-106, and DNT-109. IAI Code: None. PCS Code: 1.2. Lecture: 2. Lab: 0.

DNT 109 - Pre-Clinical Dental Hygiene Lab (2 credits)

Pre-Clinical Dental Hygiene Lab provides the students with a safe environment to practice concepts of infection control, positioning, and basic instrumentation. Students will practice on typodonts and peer patients. Students will be introduced to ultrasonic instrumentation and coronal polishing.

Prerequisite: Successful completion of BIO-282 with a grade of C or higher, and admission into the Dental Hygiene program. Corequisite: Concurrent enrollment in DNT-102, DNT-104, DNT-106, and DNT-108. IAI Code: None. PCS Code: 1.2. Lecture: 0. Lab: 6.

DNT 112 - Clinical Dental Hygiene I (2 credits)

Clinical Dental Hygiene I parallels DNT-113, Dental Hygiene Theory I. This course is a continuation of DNT-108, Preclinical Dental Hygiene. The course will provide clinical practice in fundamental dental hygiene instrumentation skills on community clients. This course emphasizes client assessment, application of dental hygiene care techniques, instrumentation, oral health products, client motivation and education techniques, and dental hygiene care planning.

Prerequisite: Successful completion of BIO-274 and DNT-102 with a grade of C or higher. Corequisite: Concurrent enrollment in DNT-113, DNT-114, DNT-116, DNT-117, DNT-118, and DNT-120. IAI Code: None. PCS Code: 1.2. Lecture: 0. Lab: 8.

DNT 113 - Dental Hygiene Theory I (1 credit)

Dental Hygiene Theory I will emphasize the Dental Hygiene Process of Care and management of clients. Topics include medical/dental history analysis, vitals, motivation; human needs model, dental hygiene diagnosis, and care planning.

Prerequisite: Successful completion of BIO-274 and DNT-102 with a grade of C or higher. Corequisite: Concurrent enrollment in DNT-112, DNT-114, DNT-116, DNT-117, DNT-118, and DNT-120. IAI Code: None. PCS Code: 1.2. Lecture: 1. Lab: 0.

DNT 114 - General and Oral Pathology (3 credits)

General and Oral Pathology provides students with an introduction to the role of the Dental Hygienist in identifying and describing abnormal oral findings. The course focus is on the fundamentals of the general and oral pathological processes, to better prepare the student to provide optimal oral health care.

Prerequisite: Successful completion of BIO-274 and DNT-102 with a grade of C or higher. Corequisite: Concurrent enrollment in DNT-112, DNT-113, DNT-116, DNT-117, DNT-118, and DNT-120. IAI Code: None. PCS Code: 1.2. Lecture: 3. Lab: 0.

DNT 116 - Dental Radiology Theory (2 credits)

Dental Radiology Theory will provide the student with the theory and procedures for exposing and developing various dental films. Radiation physics, characteristics and radiation biology and protection will be addressed. Radiation equipment, dental film and processing, and Intra and Extra-oral radiographic techniques along with radiographic interpretation will be emphasized. Current technologies in dental radiology will also be explored.

Prerequisite: Successful completion of BIO-274 and DNT-102 with a grade of C or higher. Corequisite: Concurrent enrollment in DNT-112, DNT-113, DNT-114, DNT-117, DNT-118, and DNT-120. IAI Code: None. PCS Code: 1.2. Lecture: 2. Lab: 0.

DNT 117 - Dental Radiology Lab (1 credit)

Dental Radiology Lab will provide the student with the procedures for exposing and developing various dental films, including extra and intraoral techniques. Infection control and safety factors will be addressed. Film duplication, techniques for special needs clients and other supplemental techniques are included. Practical experiences with traditional exposure techniques and current technologies on manikins are included.

Prerequisite: Successful completion of BIO-274 and DNT-102 with a grade of C or higher. Corequisite: Concurrent enrollment in DNT-112, DNT-113, DNT-114, DNT-116, DNT-118, and DNT-120. IAI Code: None. PCS Code: 1.2. Lecture: 0. Lab: 3.

DNT 118 - Dental Pharmacology (2 credits)

Dental Pharmacology provides the student with knowledge of current drugs, including their pharmacological effects, adverse reactions, indications and contraindications as they relate to patient history and dental hygiene treatment.

Prerequisite: Successful completion of BIO-274 and DNT-102 with a grade of C or higher. Corequisite: Concurrent enrollment in DNT-112, DNT-113, DNT-114, DNT-116, DNT-117, and DNT-120. IAI Code: None. PCS Code: 1.2. Lecture: 2. Lab: 0.

DNT 120 - Introduction to Periodontics I (2 credits)

Introduction to Periodontics I will introduce the student to the fundamental theories of periodontics. The course reviews basic histology, etiology, clinical features, and treatment of periodontal infections; emphasizes diagnosis, treatment planning and management of periodontal patients.

Prerequisite: Successful completion of BIO-274 and DNT-102 with a grade of C or higher. Corequisite: Concurrent enrollment in DNT-112, DNT-113, DNT-114, DNT-116, DNT-117, and DNT-118. IAI Code: None. PCS Code: 1.2. Lecture: 2. Lab: 0.

DNT 208 - Dental Hygiene Pain Management Theory (2 credits)

Dental Hygiene Pain Management Theory will prepare students to provide comprehensive dental hygiene treatment utilizing pain management techniques. Students will learn to identify complications associated with dental anesthesia and critically evaluate future trends in pain control.

Prerequisite: Successful completion of DNT-112 with a grade of C or higher. Corequisite: Concurrent enrollment in DNT-209, DNT-214, DNT-216, DNT-217, DNT-220, and DNT-221. IAI Code: None. PCS Code: 1.2. Lecture: 2. Lab: 0.

DNT 209 - Dental Hygiene Pain Management Lab (0.5 credits)

Dental Hygiene Pain Management Lab will prepare students to administer local anesthesia in a safe manner. Students will demonstrate current pain management techniques allowed by state laws.

Prerequisite: Successful completion of DNT-112 with a grade of C or higher. Corequisite: Concurrent enrollment in DNT-208, DNT-214, DNT-216, DNT-217, DNT-220, and DNT-221. IAI Code: None. PCS Code: 1.2. Lecture: 0. Lab: 1.

DNT 210 - Dental Materials Theory (2 credits)

Dental Materials Theory provides an introduction to the use of dental materials used in the practice of dentistry. This course will present the properties of amalgams, gypsum, impression materials, sealants and other dental materials. Students will be prepared to apply theory to manipulate various dental materials and to educate patients on proper maintenance of restorations. Additional theory will be presented on desensitizing agents, air polishers, intra-oral cameras, and instrument sharpening.

Prerequisite: Successful completion of DNT-112 with a grade of C or higher. Corequisite: Concurrent enrollment in DNT-211 and DNT-212. IAI Code: None. PCS Code: 1.2. Lecture: 2. Lab: 0.

DNT 211 - Dental Materials Lab (1 credit)

Dental Materials Lab provides an introduction to the use of dental materials used in the practice of dentistry. It will include the manipulation of materials to increase the knowledge of dental materials and to prepare the student for clinical procedures to be performed on patients. Laboratory safety guidelines will be emphasized. In addition, supervised practical application of theory includes: desensitizing agents, air polishers, and instrument sharpening. Technologies that enhance dental hygiene care will be explored.

Prerequisite: Successful completion of DNT-112 with a grade of C or higher. Corequisite: Concurrent enrollment in DNT-210 and DNT-212. IAI Code: None. PCS Code: 1.2. Lecture: 0. Lab: 3.

DNT 212 - Clinical Interim (1.5 credits)

Clinical Interim provides the continuation of clinical practice and management in oral prophylaxis on the child, young adult and adult clients applying consistent infection control and client assessment and analysis. Preventive techniques and exposing of radiographs are also included.

Prerequisite: Successful completion of DNT-112 with a grade of C or higher. Corequisite: Concurrent enrollment in DNT-210 and DNT-211. IAI Code: None. PCS Code: 1.2. Lecture: 0. Lab: 6.

DNT 214 - Periodontics II (2 credits)

Periodontics II is a continuation of DNT-120. Course content includes additional knowledge required to diagnose and treat periodontal diseases, clinical management of the periodontium and adjunctive therapies relevant to the maintenance of periodontal health. Emphasis is placed on the differential diagnosis and treatment of periodontal disease. Surgical and post-surgical topics will also be covered in the course.

Prerequisite: Successful completion of DNT-210 with a

grade of C or higher. Corequisite: Concurrent enrollment in DNT-208, DNT-209, DNT-216, DNT-217, DNT-220, and DNT-221. IAI Code: None. PCS Code: 1.2. Lecture: 2. Lab: 0.

DNT 216 - Clinical Dental Hygiene II (3 credits)

Clinical Dental Hygiene II is a continuation of DNT-112, DNT-212 and coincides with course DNT-217. The course will provide clinical practice and management in oral prophylaxis on the adult and periodontally involved client. Periodontal and preventive techniques and exposing of radiographs is also included.

Prerequisite: Successful completion of DNT-210 with a grade of C or higher. Corequisite: Concurrent enrollment in DNT-208, DNT-209, DNT-214, DNT-217, DNT-220, and DNT-221. IAI Code: None. PCS Code: 1.2. Lecture: 0. Lab: 12.

DNT 217 - Dental Hygiene Theory II (1 credit)

Dental Hygiene Theory II parallels DNT-216 Clinical Dental Hygiene II. Major topics emphasize predisposing factors to medical emergencies that may occur in the dental setting and their management. This course will also focus on tobacco effects, related disorders, cessation methods, and assistive therapies, and the hygienist's role in providing cessation assistance.

Prerequisite: Successful completion of DNT-210 with a grade of C or higher. Corequisite: Concurrent enrollment in DNT-208, DNT-209, DNT-214, DNT-216, DNT-220, and DNT-221. IAI Code: None. PCS Code: 1.2. Lecture: 1. Lab: 0.

DNT 220 - Community Dental Health (2 credits)

Community Dental Health focuses on the current concepts of community dental health, the dental hygienist's role in the prevention of dental problems, and the delivery of dental care to society. Students also learn the fundamental skills to review and interpret dental scientific literature as it relates to community dental health and the profession of dental hygiene.

Prerequisite: Successful completion of DNT-210 with a grade of C or higher. Corequisite: Concurrent enrollment in DNT-208, DNT-209, DNT-214, DNT-216, DNT-217, and DNT-221. IAI Code: None. PCS Code: 1.2. Lecture: 2. Lab: 0.

DNT 221 - Community Dental Health Practicum (1 credit)

Community Dental Health Practicum is a companion course to DNT-220: Community Dental Health. Selected experiences are provided to assist in the delivery of oral health education and services in community settings. Emphasis is on health promotion, communication, collaboration, development and delivery of educational presentations.

Prerequisite: Successful completion of DNT-210 with a grade of C or higher. Corequisite: Concurrent enrollment in DNT-208, DNT-209, DNT-214, DNT-216, DNT-217, and DNT-220. IAI Code: None. PCS Code: 1.2. Lecture: 0. Lab: 3.

DNT 223 - Dental Ethics, Jurisprudence, and Practice Management (2 credits)

This course provides the student with the skills needed for successful clinic practice management. Emphasis is placed on professional relationships and the various roles dental hygienists encounter in the various dental specialties. The course focus also includes ethical and legal obligations by the dental professionals to the community and public it serves.

Prerequisite: Successful completion of DNT-212 with a grade of C or higher. Corequisite: Concurrent enrollment in DNT-224 and DNT-225. IAI Code: None. PCS Code: 1.2. Lecture: 2. Lab: 0.

DNT 224 - Clinical Dental Hygiene III (3 credits)

Clinical Dental Hygiene III is a continuation of DNT-216 and coincides with course DNT-225. This course will provide clinical practice, continued development of proficiency in techniques, and management in oral prophylaxis and periodontal therapy on a variety of community patients. Advanced dental hygiene care is emphasized. Preventive techniques, exposing radiographs, and nitrous oxide/oxygen sedation certification are also included.

Prerequisite: Successful completion of DNT-216 with a grade of C or higher. Corequisite: Concurrent enrollment in DNT-223 and DNT-225. IAI Code: None. PCS Code: 1.2. Lecture: 0. Lab: 12.

DNT 225 - Dental Hygiene Theory III (2 credits)

Dental Hygiene Theory III provides the student with continued dental hygiene theory and background of DNT-216 and DNT-217 and parallels clinical course DNT-224. Emphasis is placed on medically compromised and special needs clients, and dental specialties. The course also prepares students for licensure examinations and to transition into the role of a practicing dental hygienist, covering topics such as interviewing, resume writing, and

conflict resolution.

Prerequisite: Successful completion of DNT-214 with a grade of C or higher. Corequisite: Concurrent enrollment in DNT-223 and DNT-224. IAI Code: None. PCS Code: 1.2. Lecture: 2. Lab: 0.

ECE-Early Childhood Education

ECE 100 - Introduction to Early Childhood Education (3 credits)

Introduction to Early Childhood Education provides an introduction to the early childhood education profession with an emphasis on developmentally appropriate practices, professionalism, and historical foundations of early education. An overview of program models, various types of early childhood programs, community resources, the family's role in education, diversity, contemporary trends and issues in programs for children ages birth through eight will be addressed. Fifteen (15) hours of field observations are required.

Prerequisite: None. IAI Code: None. PCS Code: 1.2. Lecture: 3. Lab: 0.5.

ECE 101 - The Developing Child (3 credits)

A foundation course in theory and principles of the developmental continuum, including an in-depth study of physical, social/emotional, cognitive, language, and aesthetic development; an examination of current research and major developmental theories from conception to age 8. Child development within a socio-cultural context, such as gender, family, race, ethnicity, language, ability, socio-economics, religion, and society; an emphasis on the implications for early childhood professional practice will be explored. Ten hours of supervised experience is required.

Prerequisite: None. IAI Code: None. PCS Code: 1.2. Lecture: 3. Lab: 0.

ECE 103 - Health, Safety, and Nutrition for Young Children (3 credits)

This course provides an overview of the health, safety and nutritional needs of young children and early childhood practices to ensure the health and well-being of each child in a group setting. Content includes role and responsibilities of adults in meeting children's diverse needs, the promotion of healthy life style practices, understanding common childhood illnesses and injuries, nutrition and safety standards, and planning nutritious meals that are appropriate for each child.

Prerequisite: Previous or concurrent enrollment in ECE-100 and ECE-101. IAI Code: None. PCS Code: 1.2. Lecture: 3. Lab: 0.

ECE 104 - Large Muscle Development (2 credits)

Large Muscle Development provides an opportunity to plan and implement appropriate physical activities both indoors and outdoors for young children. Offered in spring semester.

Prerequisite: Previous or concurrent enrollment in ECE-101. IAI Code: None. PCS Code: 1.2. Lecture: 2. Lab: 0.

ECE 105 - Observation and Assessment of Young Children (3 credits)

This course is designed to teach students about a variety of assessments and learn how to administer assessments to young children. This course will provide students with skills to interpret, document and use assessment data to plan curriculum. Students will explore effective collaboration with multidisciplinary teams and families from diverse backgrounds. 15 hours of supervised field experience is required.

Prerequisite: Completion of ECE-100 or ECE-103 with a passing grade. IAI Code: None. PCS Code: 1.2. Lecture: 3. Lab: 5.

ECE 106 - Music for the Young Child (3 credits)

Music for the Young Child will include a survey of the types of musical interests of young children, and a collection of songs and musical experiences for young children will be developed. Emphasis is given to methods which will encourage musical participation by the children. Weekly field assignments are required. Offered fall semester.

Prerequisite: Previous or concurrent enrollment in ECE-101. IAI Code: None. PCS Code: 1.2. Lecture: 3. Lab: 0.

ECE 107 - Science for the Young Child (2 credits)

Science for the Young Child will focus on methods and planning activities for science with young children and will emphasize the guided exploration and experimentation of children in their world. Weekly field assignments are required. Offered spring semester.

Prerequisite: Previous or concurrent enrollment in ECE-101. IAI Code: None. PCS Code: 1.2. Lecture: 2. Lab: 0.

ECE 108 - Art for the Young Child (3 credits)

Art for the Young Child introduces a wide variety of art

media and activities suitable for use with young children with an emphasis on the value and importance of these enriching creative art experiences. Weekly field assignments are required. Offered spring semester.

Prerequisite: Previous or concurrent enrollment in ECE-101. IAI Code: None. PCS Code: 1.2. Lecture: 3. Lab: 0.

ECE 113 - Infant and Toddler Curriculum (3 credits)

The Infant and Toddler Curriculum course focuses on nurturing and care-giving methods for infants and toddlers ages birth to three years including the planning and implementing of developmentally appropriate practices for infants and toddlers, and age-appropriate behavioral guidance techniques.

Prerequisite: None. IAI Code: None. PCS Code: 1.2. Lecture: 2. Lab: 2.

ECE 201 - Language Development (3 credits)

Language Development will focus on the structure and function of children's language, developmental process of language and its inter-relationship and dependency upon other growth processes. Weekly field assignments are required. Offered fall semester.

Prerequisite: Recommended previous or concurrent enrollment in ECE-101. IAI Code: None. PCS Code: 1.2. Lecture: 3. Lab: 0.

ECE 202 - Child, Family, and Community (3 credits)

Child, Family & Community course focuses on the diverse needs of the child within the context of family, school and community. The course will examine the interplay of diverse culture, lifestyles, abilities, language and communication role of the early childhood environment and other community institutions. Students will gain an understanding of their professional role in supporting evidence-based community and family resources.

Prerequisite: Previous or concurrent enrollment in ECE-100. IAI Code: None. PCS Code: 1.2. Lecture: 3. Lab: 0.

ECE 203 - Curriculum Planning for the Young Child (3 credits)

Curriculum Planning for the Young Child is designed to enable the student to plan a developmentally appropriate curriculum for young children. Emphasis is on planning engaging activities that meet individual and group needs. (Offered fall semester.)

Prerequisite: Previous or concurrent enrollment in ECE-101, and two of the following: ECE-103, ECE-104, ECE-106, ECE-107, ECE-108, ECE-201 or ECE-206. IAI Code: None. PCS Code: 1.2. Lecture: 3. Lab: 0.

ECE 204 - Internship-Child Care (4 credits)

Internship in Early Childhood Education provides an opportunity to plan and direct learning activities in a child care facility under the direct supervision of a DCFS qualified teacher as well as the college supervisor. Emphasis is on understanding the teacher's role as a member of a teaching team working with children and their families. Weekly meetings, full teaching duties and written assignments will be required. 240 contact hours are required.

Prerequisite: Successful completion of all ECE courses (except ECE-202 and ECE-205) with a grade of C or higher; department permission is required, based on the Code of Ethics for the Department. IAI Code: None. PCS Code: 1.2. Lecture: 1. Lab: 15.

ECE 205 - Organization and Supervision of Early Childhood Facilities (3 credits)

Organization and Supervision of Early Childhood Facilities provides study in the supervisory responsibilities involved in the administration of an early childhood facility. It also includes program planning and implementation, supervision principles, staff management, budget preparation, record keeping and evaluation procedures, governmental licensing and regulatory agencies. Offered spring semester.

Prerequisite: Completion of ECE-101 with a passing grade. IAI Code: None. PCS Code: 1.2. Lecture: 3. Lab: 0.

ECE 206 - Mathematics for the Young Child (2 credits)

Mathematics for the Young Child includes planning and implementation of appropriate mathematical activities for young children. Field assignments will be required. Offered Fall semester.

Prerequisite: Previous or concurrent enrollment in ECE-101. IAI Code: None. PCS Code: 1.2. Lecture: 2. Lab: 0.

ECE 210 - Math and Science for Young Children (3 credits)

Mathematics & Science for the Young Child focuses on the theory and practice of teaching science and mathematics to young children. Emphasis will be placed on developmentally appropriate practices, curriculum

development and effective use of instructional materials. As part of this course, students observe and participate in an early childhood setting.

Prerequisite: Recommended previous or concurrent enrollment in ECE-101. IAI Code: None. PCS Code: 1.2. Lecture: 3. Lab: 0.

ECE 212 - Creative Activities for Young Children (3 credits)

Creative Activities for the Young Child examines the theoretical framework for art, music, and movement as an important component of any early childhood program. Students will engage in active learning through hands on experiences that promote play and creative expression in the learning environment. Emphasis will be placed on developmentally appropriate practices, curriculum development, and effective use of instructional materials. As a part of this course, students observe and participate in an early childhood setting.

Prerequisite: Recommended previous or concurrent enrollment in ECE-101. IAI Code: None. PCS Code: 1.2. Lecture: 3. Lab: 0.

ECO-Economics

ECO 101 - Introduction to Economics (3 credits)

This course is a general introduction to the nature and scope of economic analysis and its application to current issues. Topics covered include markets, competition, monopoly, inflation, unemployment and international economics.

Prerequisite: None. IAI Code: S3 900. PCS Code: 1.1. Lecture: 3. Lab: 0.

ECO 110 - Principles of Economics: Macro (3 credits)

This course is an introduction to national income determination, its relationship to unemployment, inflation, and economic growth, and public policy alternatives used to achieve national economic goals.

Prerequisite: None. IAI Code: S3 901. PCS Code: 1.1. Lecture: 3. Lab: 0.

ECO 111 - Principles of Economics: Micro (3 credits)

This course is an introduction to product and resource pricing under various market conditions, and public policy alternatives for economic efficiency and equity in the marketplace.

Prerequisite: None. IAI Code: S3 902. PCS Code: 1.1. Lecture: 3. Lab: 0.

EDU-Education

EDU 202 - Children's Literature (3 credits)

Children's Literature is designed to introduce and examine the many genres of children's literature and its uses within a diverse elementary school setting. Students will be introduced to traditional and contemporary children's authors. Students will also consider methods of selecting and evaluating children's books. Group activities and ongoing reading of a variety of children's books is an integral part of this course. This course is designed for students entering the teaching profession and for individuals with and interest in children's literature.

Prerequisite: None. IAI Code: None. PCS Code: 1.1. Lecture: 3. Lab: 0.

EDU 224 - Introduction to Education (3 credits)

Introduction to Education is an overview of the American Educational System as both a professional and public enterprise. Social, historical, and philosophical foundations give perspective to examination of current issues, policies, and trends in the field of education. These include cultural diversity, inclusion, organizations and structures, finance, curriculum and legislative/legal issues. Completion of 15 hours in a classroom setting, accompanied by proper documentation, and initiation of a standards-based portfolio is required for successful completion of this course.

Prerequisite: None. IAI Code: None. PCS Code: 1.1. Lecture: 3. Lab: 0.

EDU 234 - Introduction to Technology for Teachers (3 credits)

This course covers basic technology used in learning in the K-12 classrooms with special emphasis on computer operations and concepts. The application of concepts and skills in making decisions concerning the social, ethical, and human issues related to technology and computing and the consequences of misuse is addressed. Designed for students entering the education profession.

Prerequisite: None. IAI Code: None. PCS Code: 1.1. Lecture: 2. Lab: 2.

EDU 244 - Students with Disabilities in Schools (3 credits)

Students with Disabilities in School is a survey course that presents the historical, philosophical and legal foundations of special education, as well as an overview of the characteristics of individuals with disabilities, the programs that serve them under the Individuals with Disabilities Education Act, and the diversity of the populations of individuals with disabilities.

Prerequisite: None. IAI Code: None. PCS Code: 1.1. Lecture: 3. Lab: 0.

EDU 245 - Special Education Practicum (1 credit)

Special Education Practicum is an opportunity for students and special education majors to work directly in the local agencies and schools with diverse populations under the supervision of the college. Students are expected to spend 30 hours working with individuals with disabilities in community and/or school settings.

Prerequisite: Previous or concurrent enrollment in EDU-244. IAI Code: None. PCS Code: 1.1. Lecture: 0. Lab: 30.

EDU 274 - Elementary School Practicum (1 credit)

This course is an opportunity for all elementary education or special education majors to work directly in the local schools under the supervision of the college and cooperating teacher. Completion of 50 hours in a classroom setting, accompanied by proper documentation, in addition to other course requirements is necessary for successful completion of this course. This course is required for those who wish to transfer PSY-270 and PSY-271 to Northern Illinois University School of Education.

Prerequisite: Successful completion of EDU-224 and PSY-271 with a grade of C or higher. IAI Code: None. PCS Code: 1.1. Lecture: 0. Lab: 2.

EET-Electronic Engineering Technology

EET 100 - Introduction to Electronics (3 credits)

Introduction to Electronics presents a series of lecture demonstrations on electronics theory and practical applications. The course attempts to develop student interest in electronics and provides a general survey of the electronics area of study. Students learn to apply electronics in daily life, basic calculations, and measurement skills. Laboratory activities include working with a digital multimeter and soldering on a printed circuit board.

Prerequisite: None. IAI Code: None. PCS Code: 1.2. Lecture: 2. Lab: 2.

EET 105 - Introduction to Sustainable Energy (3 credits)

Introduction to Sustainable Energy describes force, work, energy, and power as related to sustainable-energy systems. The fundamental operation of the electric power grid is described. The focus of this course is on small business and residential applications of distributed renewable-energy electrical-generation systems like small wind turbines, photovoltaic systems, and energy storage systems. Geothermal systems and active/passive solar water heating that can reduce the consumption of electrical energy are also explained. Local, state, and national codes (e.g., the National Electric Code) are introduced. Other critical tasks such as performing site feasibility studies, energy audits, and developing energy-efficiency improvement measures are explained. This course helps you prepare for renewable energy certification examinations and others offered by the Electronics Technicians Association, International.

Prerequisite: Successful completion of MTH-094 or MTH-096S with a grade of C or higher, or instructor consent. IAI Code: None. PCS Code: 1.2. Lecture: 2. Lab: 2.

EET 107 - Introduction to Codes and Standards (3 credits)

Introduction to Codes and Standards introduces you to the National Electric Code (NEC) and explains how this code relates to renewable energy systems notably photovoltaics, small wind turbines, fuel cells, and other electrical-generation systems. The importance of other codes and standards at the national, state, and local levels is explained. This course helps the student prepare for the renewable energy certification examinations and others offered by the Electronics Technicians Association, International.

Prerequisite: Successful completion of EET-142 with a grade of C or higher, or instructor consent. IAI Code: None. PCS Code: 1.2. Lecture: 2. Lab: 2.

EET 125 - Electronics Fabrication Skills (2 credits)

This laboratory course covers chassis wiring, cable assembly techniques, and proper handling precautions of the materials used in the fabrication and repair of electronic equipment. Material Safety Data (MSD) sheets are explained. Proper hand tool usage and safety is

emphasized throughout the course. Surface Mount Technology (SMT)projects will be constructed. Designing a Printed Circuit Boards (PCBs) using CAD software is also covered.

Prerequisite: Successful completion of MTH-094 or MTH-096S with a grade of C or higher. IAI Code: None. PCS Code: 1.2. Lecture: 1. Lab: 3.

EET 135 - Digital Electronics (4 credits)

Digital Electronics introduces the theory and application of digital logic circuits. Topics include basic combinational logic with applications and basic sequential logic with applications. Examples are presented using discrete logic IC's and programmable logic devices (PLDs). Electrical considerations related to digital logic circuits are also addressed.

Prerequisite: Previous or concurrent enrollment in EET-141 and MTH-100, MTH-125 or MTH-132, or instructor consent. IAI Code: EGR 932. PCS Code: 1.2. Lecture: 3. Lab: 2.

EET 141 - DC/AC Circuits and Electronics I (4 credits)

DC and AC Circuits and Electronics I develops techniques for circuit analysis and introduces electronic devices. Topics include: units and number notation, significant digits and rounding. Electrical charge, energy, current, voltage, resistance, and Ohm's law are studied. Electrical conductors and wire tables, fuses and circuit breakers, are covered. Voltage and current sources are defined. Solid-state physics, rectifier and zener diodes, thermistors, positive tempco resistors, and optoelectronic devices are presented. Kirchhoff's current and voltage laws including their application in the mesh and nodal analysis techniques are examined. The sine wave and diode application circuits are covered. Superposition, Thevenin's theorem, and Norton's theorem are used. Bipolar junction transistors are introduced including their use as amplifiers and switches. Capacitors, inductors, energy storage and transient analysis are included. Laboratory activities include learning to use the digital multimeter, DC power supplies, signal generators, and the oscilloscope. Laboratory activities also include using EDA (Electronic Design Automation) via Multisim. Laboratory documentation employing Microsoft Word and Excel is also explained.

Prerequisite: Previous or concurrent enrollment in MTH-100, MTH-120, MTH-125, or MTH-132, or instructor consent. IAI Code: None. PCS Code: 1.2. Lecture: 3. Lab: 3.

EET 142 - DC/AC Circuits and Electronics II (4 credits)

DC/AC Circuits and Electronics II is a continuation of EET-141. The phasor concept is introduced including polar/rectangular conversions and phasor arithmetic. Reactance, impedance, susceptance, and admittance are covered. The universal amplifier model and decibels are used. BJT biasing and the common-emitter amplifier are studied. Field effect transistors are explained along with the common-source amplifier. The operational amplifier and its use as an inverting, non-inverting, and differential amplifier are covered. High- and low- pass filters are examined.

Prerequisite: Successful completion of EET-141 and MTH-100, MTH-125, or MTH-132 with a grade of C or higher, or instructor consent. IAI Code: None. PCS Code: 1.2. Lecture: 3. Lab: 3.

EET 168 - Electronic Engineering Technology Internship (1-6 credits)

EET Internship requires a supervised experience in the field of electronic engineering technology using a cooperative training plan agreed to by the instructor, participating firm, and student. The student must submit an application to the instructor prior to mid-term of the previous semester and requires consent of the instructor or the Associate Dean. Variable and repeatable credit up to 6 credit hours may be earned. To comply with ICCB requirements, the number of clock hours spent at the firm must comply with the table below. The Illinois Community College Board will permit 62.5 clock hours per credit for non-clinical internships. If EET-168 is taken for 2 credits, then we must document 125 clock hours for the experience.

Credits	Clock Hours	15 Weeks (Fall or Spring)	8 Weeks (Summer)
1	62.5	4.2 Hrs/Wk	7.9 Hrs/Wk
2	125	8.4 Hrs/Wk	15.7 Hrs/Wk
3	187.5	12.5 Hrs/Wk	23.5 Hrs/Wk
4	250	16.7 Hrs/Wk	31.3 Hrs/Wk
5	312.5	20.9 Hrs/Wk	39.1 Hrs/Wk
6	375	25 Hrs/Wk	46.9 Hrs/Wk

According to the Administrative Rules of the ICCB, page 41, Section 1501.309a - "Students who participate in nonclinical internship, practicum, or on-the-job supervised instruction shall receive on semester credit hour (or

equivalent) for each 75-149 contact hours per semester.". For example, 5 contact hours/credit X 15 weeks = 75 contact hours. Since 1 credit is 5 contact hours is the minimum per credit while 9.93 contact hours is the maximum. Hence, 75 contact hours X 50 minutes = 3750 minutes and 3750 minutes / 60 minutes per hour = 62.5 clock hours per credit. Other equivalencies are summarized in the table.

Prerequisite: Current enrollment in the Electronic Engineering Technology curriculum, successful completion of at least 20 credits in EET courses, and sophomore class standing. IAI Code: None. PCS Code: 1.2. Lecture: 0. Lab: See table.

EET 190 - Sustainable Electrical Energy Generation (3 credits)

Sustainable Electrical Energy Generation describes the operation of photovoltaic (PV) systems comprised of solar modules, batteries, battery chargers, and inverters to produce power-grid-quality ac voltage. Wind turbines are also studied including generators, alternators, rectification, inverters, and resistive loading during periods of light loading. Fuel cell characteristics, control and monitoring are also explored. The integration of these three technologies is also investigated. Microhydro generation of electrical power is introduced. Safety considerations and electrical codes are emphasized throughout the course. This course helps you prepare for the renewable energy certification examinations and others offered by the Electronics Technicians Association, International.

Prerequisite: Successful completion of EET-141 with a grade of C or higher, or instructor consent. IAI Code: None. PCS Code: 1.2. Lecture: 2. Lab: 2.

EET 219 - Electric Motors, Controls, and Variable Speed Drives (3 credits)

Electric motors, controls, and variable speed drives (VSD) provides a review of linear and rotational motion, and energy conversions. The basics of electromagnetism, DC motors and AC single-phase and polyphase motors are studied. NEMA motor classifications A, B, C, and D are explained. Power electronic switches are covered including thyristors and IGBTs. The block diagram of the variable speed drive is studied and the synchronized rectifier stage, DC link, inverter stage, and protective functions are studied. The basic characteristics of PID control are covered and its application to variable speed drives. The variable speed drives offered by various manufacturers including Danfoss, Schneider, an Eaton Cutler-Hammer are contrasted.

Prerequisite: Successful completion of EET-240 and MET-162 with a grade of C or higher, or instructor consent. IAI Code: None. PCS Code: 1.2. Lecture: 3. Lab: 2.

EET 239 - Programmable Logic Controllers (PLCs) (3 credits)

Programmable Logic Controllers (PLCs) introduces the application and programming of powerful and flexible devices for industrial control systems. Topics include: ladder logic, PLC programming, program documentation, and PLC input/output requirements. Laboratory exercises include hands-on work with a small PLC system to complete PLC projects.

Prerequisite: Successful completion of EET-142 and EET-135 with a grade of C or higher, or instructor consent. IAI Code: None. PCS Code: 1.2. Lecture: 2. Lab: 2.

EET 240 - DC/AC Circuits and Electronics III (4 credits)

DC/AC Circuits and Electronics III is a continuation of EET-142. The use of phasors to describe ac circuits is used for impedance and admittance calculations. The frequency response of an amplifier system is described. Active filters are introduced. Negative feedback and frequency compensation to avoid oscillations are explored. Sinusoidal oscillators are examined. AC power topics including true power, reactive power, apparent power, and power factor correction are covered. Class A, AB, and D power amplifiers are studied. Solid-state power switches are described. Linear and switching dc power supplies are studied. Electronic Design Automation is used extensively to simulate the circuits constructed in the laboratory. Laboratory activities include using oscilloscopes and signal generators. Students will be expected to use Microsoft Word and Excel to prepare their laboratory reports.

Prerequisite: Successful completion of EET-142 with a grade of C or higher, or instructor consent. IAI Code: None. PCS Code: 1.2. Lecture: 3. Lab: 3.

EET 242 - Sensors, Transducers, and Signal-Conditioning (3 credits)

Sensors, Transducers, and Signal-Conditioning presents all components of a modern instrumentation system including sensors and transducers, signal conditioning, data collection and display. Sensors for various physicals quantities are discussed, including: temperature, pressure, strain, acceleration, and displacement. Laboratory activities are coordinated with the lecture topics.

Prerequisite: Successful completion of EET-240 and MET-

162 with a grade of C or higher, or instructor consent. IAI Code: None. PCS Code: 1.2. Lecture: 2. Lab: 2.

EET 245 - Control Systems (3 credits)

Control Systems introduces basic industrial control systems. Topics include: on-off control, several forms of proportional analog control, digital control, and fuzzy logic control. Related topics such as feedback sensors and stability concerns are studied. Laboratory activities are coordinated with the lecture topics.

Prerequisite: Successful completion of MET-162 and EET-240 with a grade of C or higher, or instructor consent. IAI Code: None. PCS Code: 1.2. Lecture: 2. Lab: 2.

EET 251 - Microcontrollers and Interfacing (4 credits)

EET-251 introduces the student to microcontroller architecture and C programming for embedded control applications. The course deals with the logical development of programs with appropriate software documentation, and the associated hardware interfacing. Professional programming and debugging tools are used throughout the course. Laboratory work includes writing programs and building hardware for various applications.

Prerequisite: Successful completion of EET-135 and EET-142 with a grade of C or higher, or instructor consent. IAI Code: None. PCS Code: 1.2. Lecture: 3. Lab: 2.

EET 254 - Robotics and Automated Systems (3 credits)

Robotics and Automated Systems introduces the student to the mechanical, electrical, and electronic components used in robotics and other automated systems. The student will learn the essential terminology used in robotics and the basic operation of robots in automated manufacturing. The course deals with analog-to-digital (ADC), and digital-to-analog (DAC) conversion for interfacing of the components. The students will be introduced to the programming software used for automated systems. Laboratory work includes interfacing the various components properly, and writing programs, and the robot programming language in group and/or individual projects. The course provides the opportunity for a nationally-recognized Fanuc certification.

Prerequisite: Successful completion of EET-141 and MET-162 with a grade of C or higher, or instructor consent. IAI Code: None. PCS Code: 1.2. Lecture: 2. Lab: 2.

EET 261 - Advanced Microcontrollers (3 credits)

Advanced Microcontrollers presents microcontrollers for solving basic control problems. Hardware interfacing and software design are studied. The instruction centers on the more popular low-cost microcontrollers. Laboratory activities are coordinated with the lectures and include one or more design projects.

Prerequisite: Successful completion of EET-251 with a grade of C or higher. IAI Code: None. PCS Code: 1.2. Lecture: 2. Lab: 2.

EET 275 - Wireless Electronics (3 credits)

Wireless Electronics introduces the basic principles of electronic communications, radio frequency identification (RFID), and remote passive and powered sensors such as those based on surface acoustical wave (SAW) devices. Resonant circuits are studied. Amplitude-, frequency-, and phase modulation and demodulation techniques are covered. Wireless devices defined by IEEE 802and XBee are studied. Transmission lines and antennas are also explored.

Prerequisite: Successful completion of EET-240 with a grade of C or higher, or instructor consent. IAI Code: None. PCS Code: 1.2. Lecture: 2. Lab: 2.

EET 277 - Geothermal, Solar Heating, and Lighting (3 credits)

Geothermal, Solar Heating and Lighting introduces the student to the use of energy efficiency and conservation, and the application of renewable energy sources. Geothermal systems for heating and cooling are studied. Various earth loops including horizontal, vertical, pond/lake, and open well-water systems are discussed. Air-source, ground-source, and absorption heat pumps for heating and cooling are explained. Solar thermal systems for heating and cooling are studied. Light Emitting Diode (LED) lighting systems are examined. This course helps the student to prepare for renewable energy certification examinations and others offered by the Electronics Technicians Association, International.

Prerequisite: Previous or concurrent enrollment in EET-105, or consent of instructor. IAI Code: None. PCS Code: 1.2. Lecture: 2. Lab: 2.

EET 282 - EET Capstone Project (3 credits)

EET Capstone Project is a project-based experience that allows the student to apply basic and advanced principles covered in other courses. Students will work individually or in teams to select a project with the consent of the

faculty advisor. Project schedule management is emphasized. Project parameters and specifications will be developed. A budget will be established. Approaches to final testing to verify the specifications have been met by the design will be addressed.

Prerequisite: Successful completion of EET-240 and EET-251 with a grade of C or higher, or instructor consent. IAI Code: None. PCS Code: 1.2. Lecture: 2. Lab: 2.

EET 285 - Introduction to Digital Signal Processing (3 credits)

Introduction to Digital Signal Processing presents fundamental sampled data systems and digital signal processing (DSP) as an alternative to traditional analog techniques. Topics include: Nyquist criteria, convolution and transform techniques, Infinite Impulse Response (IIR) digital filters, and Finite Impulse Response (FIR) digital filters. The required mathematics is covered. Laboratory activities include using signal generators, oscilloscopes, and commercial DSP evaluation board and software.

Prerequisite: Successful completion of EET-240 and EET-251 with a grade of C or higher, or instructor consent. IAI Code: None. PCS Code: 1.2. Lecture: 2. Lab: 2.

EET 298 - EET Seminar (3 credits)

EET-298 is a weekly discussion regarding current events in the electronics industry. Topics may include sensors, integrated circuits, microcontrollers, robotics, alternative energy, power electronics, modeling and simulation. Students will select topics of interest, research the topics, prepare a written report, and lead a class discussion.

Prerequisite: Successful completion of EET-240 and EET-251 with a grade of C or higher, or instructor consent. IAI Code: None. PCS Code: 1.2. Lecture: 3. Lab: 0.

EET 299 - Special Topics in Electronic Engineering Technology (1-6 credits)

Special Topics in Electronic Engineering Technology explores specific applications, skills, or interest in modern electronic technology. A special topic requires: adequate and available materials on a specific electronics-related issue, a comprehensive course outline, instructor expertise, student and community interest, and ability to increase skill and/or knowledge in electronic engineering technology. Variable credit up to six credit hours may be earned.

Prerequisite: Determined by the special topic. IAI Code: None. PCS Code: 1.2. Lecture: 1-6. Lab: 0-4.

EGR-Engineering

EGR 101 - Introduction to Engineering (2 credits)

Introduction to Engineering is a study of engineering and technological systems. The course will explore various engineering disciplines, the role of the engineer in society, the engineering approach to problem solving and the engineering design process. Laboratory activities will involve reverse-engineering products to find out how they are designed and manufactured.

Prerequisite: None. IAI Code: None. PCS Code: 1.1. Lecture: 1. Lab: 2.

EGR 135 - Engineering Graphics/CAD (4 credits)

Engineering Graphics/CAD is an introduction to engineering graphics and design. Topics include design problems, sketching, dimensioning, tolerancing, multi-view orthographic representations, auxiliary views, section views, and working drawings, 3-D solid modeling software used for reverse engineering, part generation, prototyping, and engineering analysis. (SolidWorks will be used as CAD software in this course.)

Prerequisite: Successful completion of MTH-094 or MTH-096S with a grade of C or higher. IAI Code: EGR 941. PCS Code: 1.1. Lecture: 2. Lab: 4.

EGR 206 - Statics (3 credits)

Statics is an analysis of two and three-dimensional force systems by vector and scalar methods. Topics include general principles, force vectors, particle and rigid body equilibrium, distributed forces, analysis of structures, friction, centroids, moments of inertia, and virtual work"

Prerequisite: Successful completion of MTH-135 with a grade of C or higher, and previous or concurrent enrollment in PHY-215, or instructor consent. IAI Code: EGR 942. PCS Code: 1.1. Lecture: 3. Lab: 0.

EGR 207 - Dynamics (3 credits)

Dynamics is an analysis of the motion of particles and rigid bodies as well as the relationship between forces acting on bodies and the change in motion produced by the forces. Topics include particle and rigid body kinematics, Newton's Laws of Motion, work and energy, and momentum and impulse. A minimum of 1/3 of the course is dedicated to rigid body content including 3D applications of Dynamics."

Prerequisite: Successful completion of EGR-206 and PHY-215 with a grade of C or higher. IAI Code: EGR 943. PCS

Code: 1.1. Lecture: 3. Lab: 0.

EGR 221 - Elementary Mechanics of Deformable Bodies (3 credits)

Elementary Mechanics of Deformable Bodies studies the relationships between external forces and the stresses and deformations they produce in a deformable body for both elastic and inelastic behavior. Consideration is given to members subjected to tension and compression, torsion, and bending related to: loading and deflection of beams and shafts, buckling of columns, repeated loads, combined stresses, analysis of stress and strain, Mohr's Circle, and related topics.

Prerequisite: Successful completion of EGR-206 with a grade of C or higher. IAI Code: EGR 945. PCS Code: 1.1. Lecture: 3. Lab: 0.

EGR 231 - Engineering Circuit Analysis (4 credits)

Engineering Circuit Analysis provides an introduction to electric circuits. circuit topologies including series, parallel, series-parallel, and non-planar circuits are explained. Fundamental circuit elements are studied including resistance, capacitance, self-and mutual-inductance, constant-voltage sources, constant-current sources, and controlled sources. Magnetism as it relates to self-and mutual-inductance is described. Basic law and theorems are applied. Specifically, Ohm's law, Kirchhoff's Voltage Law and Kirchhoff's Current Law are described and applied. Mesh and nodal analysis are used. DC and sinusoidal steady-state circuits using the phasor concept are introduced. Time-domain and analysis of R-L-C circuits is covered as well as an introduction to Laplace transforms.

Prerequisite: Successful completion of MTH-235 and PHY-215 with a grade of C or higher, and previous or concurrent enrollment in MTH-236 and PHY-225, or instructor consent. IAI Code: EGR 931L. PCS Code: 1.1. Lecture: 3. Lab: 3.

EGR 250 - Digital Electronics (4 credits)

Digital Electronics provides an introduction to computer engineering. This course explores combinational logic and Boolean algebra. Logic circuit design and simplification using Karnaugh maps is studied. Sequential logic including registers, counters, and state machines are covered. State transition diagrams are used to help simplify sequential logic problems. The student will learn how to analyze, design, debug, and implement digital logic solutions. HDL and VHDL will be covered, and EPLD Boards will be used for lab practice.

Prerequisite: Successful completion of EGR-231 with a grade of C or higher, instructor consent. IAI Code: EGR 932L. PCS Code: 1.1. Lecture: 3. Lab: 3.

ELC-Apprenticeship-Electricians

Rock Valley College, in cooperation with the Electricians Joint Apprenticeship Training Committee (JATC), sponsors related apprenticeship classroom training. Admission to the Electricians Apprenticeship program is determined by the joint apprenticeship committee. Students who wish to be considered for an apprenticeship should apply to the Electricians organization listed under **Apprenticeship Programs**.

ELC 120 - Introduction to Apprenticeship (4 credits)

The Introduction to Apprenticeship class includes a historical study of apprenticeship, local apprenticeship, the electrical industry, and its future. Students will study mathematics, safety and job information on tools, materials, circuits, and good housekeeping.

Prerequisite: None. IAI Code: None. PCS Code: 1.2. Lecture: 3. Lab: 2.

ELC 121 - Electrical Theory and Code (4 credits)

The Electrical Theory and Code course includes electrical theory in structure of matter, Ohm213s law, circuits, resistance, magnetism, AC and DC, and circuit calculations. The electrical code is introduced, with emphasis on definitions, wiring methods, grounding and over-current protection. Blueprint reading is also covered.

Prerequisite: Completion of ELC-120 with a passing grade. IAI Code: None. PCS Code: 1.2. Lecture: 3. Lab: 2.

ELC 122 - Lighting and Transformers (4 credits)

The Lighting and Transformers course covers general lighting, safety, installation requirements and code studies, incandescent lamps, fluorescent lamps and ballasts, and circuit calculation. Students learn inductance to better understand transformers and motors. Transformer principles are covered in addition to types, single-phase, and three-phase connections.

Prerequisite: Completion of ELC-121 with a passing grade. IAI Code: None. PCS Code: 1.2. Lecture: 3. Lab: 2.

ELC 123 - Motors and Wiring Systems (4 credits)

The Motors and Wiring Systems course emphasizes the

principles of AC motors. Types of AC motors taught are split-phase, capacitor, repulsion, shadepole, universal, and three-phase motors. Wiring systems of less than 400 volts, 480/277 volts, three-phase delta, blueprint reading, and wiring systems for distribution are also covered.

Prerequisite: Completion of ELC-122 with a passing grade. IAI Code: None. PCS Code: 1.2. Lecture: 3. Lab: 2.

ELC 125 - Safe Electrical Work Practices (1 credit)

This course is designed to encourage safe work practices in the electrician's field. The curriculum is based on the NFPA 70E, which is used by employers to help them comply with the Occupational Safety and Health Administration (OSHA) requirements. Among the topics covered are achieving a safe working environment, the use of protective equipment and clothing, and the history of electrical safety culture.

Prerequisite: Completion of ELC-120 with a passing grade. IAI Code: None. PCS Code: 1.2. Lecture: 1. Lab: 0.

ELC 130 - OHSA 30 and Disaster Response (3 credits)

This course is designed to provide students an awareness of the safety and health hazards that disaster site workers may encounter as well as the personal protective equipment and proper documentation procedures that may be used to mitigate the hazards. Participants will support the use of an Incidental Command System through the safe performance of their job responsibilities. They will be aware of the effects of traumatic incident stress that can result from working conditions and learn measures to reduce this stress.

Prerequisite: Completion of ELC-120 with a passing grade. IAI Code: None. PCS Code: 1.2. Lecture: 3. Lab: 0.

ELC 140 - The Labor Movement 1865-1980 (1 credit)

The Labor Movement 1865-1980 course is designed to give the student a basic understanding of the rise of the American labor movement. Among the topics covered are the change from an agricultural society to the Industrial Revolution, the role of labor in the post-Civil War westward expansion, the need for industrial production during the two World Wars and the Great Depression, and the PATCO air traffic controllers strike.

Prerequisite: Completion of ELC-120 with a passing grade. IAI Code: None. PCS Code: 1.2. Lecture: 1. Lab: 0.

ELC 141 - Labor Movement 1975 to Present (1 credit)

The Labor Movement 1975-Present course is designed to give the student a general understanding of the state of the American labor movement over the last thirty years. Among the topics covered are the shifts in the American political arena concerning labor, the decline in private sector manufacturing unions after the PATCO air traffic controllers strike, the politicization of OSHA and the NLRB, and recent attacks on public sector unions.

Prerequisite: Completion of ELC-140 with a passing grade. IAI Code: None. PCS Code: 1.2. Lecture: 1. Lab: 0.

ELC 142 - Labor Movement, Present & Future (1 credit)

This course is designed to give the student a broad understanding of the current state of the American labor movement, and examines possible future developments based on present trends. The effect of increased cooperation with labor organizations in other nations is also discussed. Among the topics covered will be the rise of public sector union membership, lessons from the Occupy Movement, fast food workers' strikes, the movement for a living wage, and global cooperation of trade unions.

Prerequisite: Completion of ELC-141 with a passing grade. IAI Code: None. PCS Code: 1.2. Lecture: 1. Lab: 0.

ELC 243 - Alternating Current (4 credits)

The Alternating Current course is a review of alternating current with emphasis on inductance, grounding studies, inductance reactance, capacitive reactance and mathematics for AC circuits. Included also are AC series and parallel circuits, plus power factor correction and problems.

Prerequisite: Completion of ELC-123 with a passing grade. IAI Code: None. PCS Code: 1.2. Lecture: 3. Lab: 2.

ELC 244 - Electronics Circuitry (4 credits)

The Electronics Circuitry course focuses on basic electronics concepts, basic rectifiers, filter circuits and power supplies, and amplifier circuits. Also covered are audio amplifiers, time delays and relays, and controls.

Prerequisite: Completion of ELC-243 with a passing grade. IAI Code: None. PCS Code: 1.2. Lecture: 3. Lab: 2.

ELC 245 - Motor Control (4 credits)

The Motor Control course includes starting protective

controls, starters and relays, blueprint reading, job and reverse circuits, sequence control circuits, circuit analysis, and trouble shooting.

Prerequisite: Completion of ELC-244 with a passing grade. IAI Code: None. PCS Code: 1.2. Lecture: 3. Lab: 2.

ELC 246 - Power Controls (4 credits)

The Power Controls course includes power controls, control of DC motors, process control, air conditioning and refrigeration, welding control, instrumentation, static control basic concept and logic circuits, and static control application of elements. Also included is a review of code and static control circuit analysis.

Prerequisite: Completion of ELC-245 with a passing grade. IAI Code: None. PCS Code: 1.2. Lecture: 3. Lab: 2.

ELC 247 - Advanced Studies I (4 credits)

The Advance Studies I course begins the fifth year of Electricians Apprenticeship. The main focus of this course is advanced studies in electronics, codeology, and code design blueprints.

Prerequisite: Completion of ELC-246 with a passing grade. IAI Code: None. PCS Code: 1.2. Lecture: 3. Lab: 2.

ELC 248 - Advanced Studies II (4 credits)

The Advanced Studies II course is the final class of this program. Students will receive advanced and in-depth instruction in three areas: programmable controllers, blueprints, and air conditioning controls.

Prerequisite: Completion of ELC-247 with a passing grade. IAI Code: None. PCS Code: 1.2. Lecture: 3. Lab: 2.

ELC 249 - Electrician Internship I (1 credit)

The Electrician Internship course has been developed and established as the on-the-job component of the Electrician Apprenticeship Program, consisting of work relating to the wiring of residential, commercial, industrial, and/or specialized electrical systems. All of the on-the-job work-related activities will be performed under the direct supervision of a journey worker. Students may repeat this course one time.

Prerequisite: Completion of ELC-121 with a passing grade. IAI Code: None. PCS Code: 1.2. Lecture: 0. Lab: 5.

ENG-English

ENG 098 - Introduction to College Reading and Writing (4 credits)

In Introduction to College Reading and Writing, students sharpen the reading and writing skills that are essential to learning in college courses. Following an integrated approach to reading and writing, students develop flexible strategies for reading college-level texts of a variety of types and writing about them in clear, coherent compositions that demonstrate critical thinking and engagement with ideas. Students also reflect on their own practices as readers and writers and on the needs of their audiences as they develop their overall writing and reading skills. Students write 12-16 pages of revised prose.

Prerequisite: Successful completion of ENG 097 with a grade of "C" or higher, or eligible for placement into ENG 098 based on appropriate college placement measures. IAI Code: None. PCS Code: 1.4. Lecture: 4. Lab: 0.

ENG 099 - Introduction to College Writing (3 credits)

In Introduction to College Writing, students learn to write focused, coherent, multi-paragraph essays in both personal and persuasive genres. In addition, students read a variety of texts, both to develop critical thinking skills and to provide a context for some writing assignments. Attention is devoted to grammar and usage within the context of students' writing. Students write 12-16 pages of revised prose during the course. A grade of C or better is required in this course to advance to ENG-101.

Prerequisite: Appropriate placement scores in English or completion of ENG-097 with a C or higher; and tested out of Reading, or concurrent enrollment in RDG-099. IAI Code: None. PCS Code: 1.4. Lecture: 3. Lab: 0.

ENG 100 - Workshop for College Writing (2 credits)

Workshop for College Writing supports students' work in Composition I and deepens their understanding of course materials through additional practice activities and class assignments. By working in a small group setting, students have ample opportunity to interact with both their instructor and peers as they enhance their writing skills. Typical class sessions include directed activities in developing, organizing ideas, and editing essays, as well as in practicing techniques for expanding their use of effective sentence patterns. Students will also analyze sample essays to develop their understanding of rhetorical practices and stylistic choices; they will workshop their

own and their peers' essays. In addition, students will deepen their self-awareness of themselves as writers and students and of challenges often faced by first-year college students and describe these in written reflections.

Prerequisite: Successful completion of ENG-098 with a grade of C or higher, or eligible for placement into ENG-100 based on appropriate college placement measures. Corequisite: Concurrent enrollment in paired section of ENG-101. IAI Code: None. PCS Code: 1.1. Lecture: 2. Lab: 0.

ENG 101 - Composition I (3 credits)

In Composition I, students write in a variety of college-level genres using a flexible writing process. Students learn to consider the rhetorical situation, to develop and support claims effectively with reasons and evidence, and to integrate sources into their writing. Students will write a minimum of 5,000 words in at least four formal, revised writing assignments which comprise at least 60% of the final grade for the course. At least one formal assignment must be 1,250 words minimum

Prerequisite: Sufficiently high placement test score OR a grade of C or higher in ENG-098 or ENG-099. Note: For all degrees that require ENG-101, a grade of C or higher must be earned in this course. IAI Code: C1 900. PCS Code: 1.1. Lecture: 3. Lab: 0.

ENG 103 - Composition II (3 credits)

In Composition II, students conduct research on academic topics, advance extended arguments, and integrate sources effectively using a flexible writing process. Students learn to consider the rhetorical situation of academic writing and the requirements of sound scholarship. Students will write a minimum of 5,000 words in at least three formal, revised writing assignments which comprise at least 60% of the final grade for the course. Documented, multi-source writing in one or two formal assignments must total at least 2500 words.

Prerequisite: Successful completion of ENG-101 with a grade of C or higher. Note: For all degrees that require ENG-103, a grade of C or higher must be earned in this course. IAI Code: C1 901R. PCS Code: 1.1. Lecture: 3. Lab: 0.

ENG 108 - Introductory Creative Writing (3 credits)

Introductory Creative Writing is an introduction to the principles and processes involved in writing poetry and fiction. The course includes lectures, discussion, readings, and workshop-based critique of peer-generated work. Students will compose original works of creative writing (four poems and one short story), use critical terminology in the discussion of creative works, and participate in revision processes. A minimum of 20 pages of completed work is recommended.

Prerequisite: Successful completion of ENG-101 with a grade of C or higher. IAI Code: None. PCS Code: 1.1. Lecture: 3. Lab: 0.

ENG 109 - Creative Writing II (3 credits)

Creative Writing II intends to create a community of serious writers through focused attention to the close revision of original works for the purpose of publication and presentation, as well as engagement in the process and creation of the campus's literary and visual arts journal, Voices. The course includes lectures, editorial discussion and decision-making, and workshop-based critique of peer-generated work. Students will compose and/or revise original works of creative writing, use critical terminology in the discussion of creative work, plan and participate in public readings, learn about current trends and pitfalls in the publishing world, act as the editorial board of the campus journal, and submit original work to a researched regional, national, or international journal. A minimum of 15 pages of completed work is recommended. This course may be taken up to 3 times for credit.

Prerequisite: Successful completion of ENG-101 with a grade of C or higher. IAI Code: None. PCS Code: 1.1. Lecture: 3. Lab: 0.

ENG 110 - Introduction to Technical Writing (3 credits)

In Introduction to Technical Writing, students, individually and collaboratively, will employ various processes to produce professional caliber technical documents. Throughout the semester students will produce and analyze a number of common technical writing genres, such as: emails, letters, resumes, memos, reports, proposals, technical descriptions, technical definitions, instructions/procedures, and proposals. Students will work toward understanding how to analyze and react to rhetorical situations each genre and writing situation presents, including issues of audience, organization, visual design, style, and the material production of documents. Students will complete research processes, selecting and interacting with sources, culminating in the production of documented, multi-source writing in one or more formal papers totaling at least 2,500 words. During the course students will write a minimum of 16-24 pages.

Prerequisite: Successful completion of ENG-101 with a

grade of C or higher, or consent of instructor. IAI Code: C1 901R. PCS Code: 1.2. Lecture: 3. Lab: 0.

ENG 200 - Language, Power, and Public Life (3 credits)

Language, Power, and Public Life is an introduction to rhetoric as an intellectual force, shaping public life. This course studies a selection of rhetorical theories and introduces students to key interdisciplinary approaches to the study of language from the social sciences, the sciences, and the humanities. Students will analyze the ways in which language and public life are interconnected by considering various historical and contemporary case studies. Students write 16-24 pages of revised prose during the course.

Prerequisite: Successful completion of ENG-101, with a grade of C or higher. IAI Code: H9 900. PCS Code: 1.1. Lecture: 3. Lab: 0.

FRE-Fire Science

FRE 101 - Introduction to Fire Protection (3 credits)

Introduction to Fire Protection provides an overview to fire protection, career opportunities in fire protection, and related fields: philosophy and history of fire protection/service; fire loss analysis; organization and function of public and private fire protection services; fire departments as part of local government; laws and regulations affecting the fire service, fire service nomenclature; specific fire protection functions; basic fire chemistry and physics; introduction to fire protection systems; and introduction to fire strategy and tactics.

Prerequisite: None. IAI Code: None. PCS Code: 1.2. Lecture: 3. Lab: 0.

FRE 102 - Fire Apparatus Engineer (3 credits)

Fire Apparatus Engineer provides a foundation of theoretical knowledge in order to understand the principles of the use of water in fire protection and to apply hydraulic principles to analyze and to solve water supply problems.

Prerequisite: None. IAI Code: None. PCS Code: 1.2. Lecture: 3. Lab: 0.

FRE 103 - Hazardous Materials Operations (3 credits)

Hazardous Materials Operations course provides the student with the basic skills needed to evaluate and work defensively at a hazardous materials incident. Included are the classifications of hazardous materials, types of chemicals, methods of transportation and laws that regulate their use.

Prerequisite: Completion of FRE-101 with a passing grade, or instructor consent. IAI Code: None. PCS Code: 1.2. Lecture: 3. Lab: 0.

FRE 104 - Fire Behavior and Combustion (3 credits)

This introductory course explores the theories and fundamentals of how and why fires start, spread, and are controlled. Students will learn the characteristics of flammable agents and chemical reactions, hazard types, and the stages of fire.

Prerequisite: None. IAI Code: None. PCS Code: 1.2. Lecture: 3. Lab: 0.

FRE 106 - Rescue Practices (3 credits)

Rescue Practices explores life-saving practices related to the operations of fire company as well as the preparedness of the fire department to meet the needs of special rescue situations. The course provides an overview of water rescue, technical rescue, and vehicle extrication.

Prerequisite: None. IAI Code: None. PCS Code: 1.2. Lecture: 3. Lab: 0.

FRE 112 - Vehicle/Machinery Rescue Operations (3 credits)

Vehicle/Machinery Rescue Operations is designed to acquaint the student with techniques used in auto extrication. Emphasis will be safety of personnel at emergency incidents, scene size-up, and management of the emergency scene, as well as function of the tools utilized in vehicle and machinery extrication. This course meets the requirements as defined by the Office of the Illinois State Fire Marshall, and NFPA 1670.

Prerequisite: Completion of FRE-101 with a passing grade, or instructor consent, and OSFM - Technical Rescue Awareness. IAI Code: None. PCS Code: 1.2. Lecture: 2. Lab: 2.

FRE 118 - Building Construction for Fire Protection (3 credits)

Building Construction for Fire Protection introduces the components of building construction that relate to fire and safety. The focus of this course is on fire fighting safety. The elements of construction and design of structures are shown to be key factors when inspecting buildings, preplanning fire operations, and operating at emergencies.

Prerequisite: None. Corequisite: Concurrent enrollment in FRE-101. IAI Code: None. PCS Code: 1.2. Lecture: 3. Lab: 0.

FRE 180 - Essentials of Firefighting I (3 credits)

The Essentials of Firefighting I introduces students to basic firefighting skills and equipment. The class includes the following subject areas: orientation, fire behavior, building construction, safety, communications, self-contained breathing apparatus, fire extinguishers, and ropes and knots. This course, combined with Essentials of Firefighting II and III, provide the student with the required training to sit for the Office of the Illinois State Fire Marshal Written Exam for Basic Operations Firefighter.

Prerequisite: Completion of FRE-101 with a passing grade. Corequisite: Concurrent enrollment in FRE-181 and FRE-182. IAI Code: None. PCS Code: 1.2. Lecture: 2. Lab: 2.

FRE 181 - Essentials of Firefighting II (3 credits)

Essentials of Firefighting II is an intermediate firefighting skills course that provides the student with an understanding of the principles behind the following subject areas: ladders, hose and appliances, nozzles/streams, water supply, forcible entry, and ventilation. The course, when combined with Essentials of Firefighting I and III, will provide the student with the required training to sit for the Office of the Illinois State Fire Marshall Written Exam for Basic Operations Firefighter.

Prerequisite: Completion of FRE-101 with a passing grade. Corequisite: Concurrent enrollment in FRE-180 and FRE-182. IAI Code: None. PCS Code: 1.2. Lecture: 2. Lab: 2.

FRE 182 - Essentials of Firefighting III (3 credits)

Essentials of Firefighting III is an advanced firefighting skills course that combines both previous courses and introduces practical applications. Topics presented are communications, ropes and knots, salvage, overhaul, fire detection, alarm and suppression systems, fire prevention and public education, hazardous materials awareness, terrorism awareness, and firefighter survival. This course combined with Essentials of Firefighting I and II, will provide a student with the required training to sit for the Office of the Illinois State Fire Marshall Written Certification Exam for Basic Operations Firefighter.

Prerequisite: Completion of FRE-101 with a passing grade. Corequisite: Concurrent enrollment in FRE-180 and FRE-181. IAI Code: None. PCS Code: 1.2. Lecture: 2. Lab: 2.

FRE 205 - Principles of Fire and Emergency Services Safety & Survival (3 credits)

Principles of fire and emergency services and safety & survival introduces the basic principles and history related to the national firefighter life safety initiatives. Topics include an analysis of the current culture and behavior within the fire service and how it relates to fire and life safety initiatives.

Prerequisite: None. IAI Code: None. PCS Code: 1.2. Lecture: 3. Lab: 0.

FRE 208 - Fire Prevention Principles (3 credits)

Fire Prevention Principles provides fundamental information regarding the history and philosophy of fire prevention, organization and operation of a fire prevention bureau, use of fire codes, identification and correction of fire hazards, and the relationships of fire prevention with built-in fire protection systems, fire investigation, and fire and life-safety education.

Prerequisite: None. IAI Code: None. PCS Code: 1.2. Lecture: 3. Lab: 0.

FRE 209 - Fire Protection Systems (3 credits)

Fire Protection Systems provides information relating to the features of design and operation of fire alarm systems, water-based fire suppression systems, special hazard fire suppression systems, water supply for fire protection and portable fire extinguishers.

Prerequisite: None. IAI Code: None. PCS Code: 1.2. Lecture: 3. Lab: 0.

FRE 210 - Fire Investigation (3 credits)

Fire Investigation provides the fundamentals and technical knowledge needed for proper fire science interpretations, including recognizing and conducting origin and cause, preservation of evidence and documentation, scene security, motives of the fire setter, and types of fire causes.

Prerequisite: Completion of FRE-101 with a passing grade. IAI Code: None. PCS Code: 1.2. Lecture: 3. Lab: 0.

FRE 215 - Introduction to Strategy and Tactics (3 credits)

Introduction to Strategy and Tactics provides the principles of fire ground control through the utilization of personnel, equipment, and extinguishing agents. Students will learn hazard mitigation strategies with emphasis placed on incident safety, pre-fire planning, building construction, firefighting tactics, Engine and Truck company operations.

Prerequisite: Successful completion of FRE-101 with a grade of C or higher. IAI Code: None. PCS Code: 1.2. Lecture: 3. Lab: 0.

FRE 218 - Instructor I (3 credits)

Instructor I will prepare you to become a Fire Science instructor. You will learn how to write performance objectives and lesson plans. Also covered in the course will be instructional and evaluation methods, use of audio-visuals, classroom management, and practice teaching.

Prerequisite: Completion of FRE-101 with a passing grade. IAI Code: None. PCS Code: 1.2. Lecture: 3. Lab: 0.

FRE 219 - Instructor II (3 credits)

Instructor II places emphasis on teaching formalized lessons from materials prepared by the fire service instructor. Course coverage includes: writing performance objectives, developing lesson plans, preparing instructional materials, constructing evaluation devices, demonstrating selected teaching methods, training records and reports, and identification of reference resources.

Prerequisite: Completion of FRE-218 with a passing grade. IAI Code: None. PCS Code: 1.2. Lecture: 3. Lab: 0.

FRE 223 - Emergency Medical Technician/Basic (9 credits)

Emergency Medical Technician covers emergency care, handling, and extrication of the critically ill and injured. Topics covered include control of hemorrhage, treatment of shock, fractures, soft tissue injuries, burn victims, poisoning, emergency childbirth, packing and transportation of the sick and injured.

Prerequisite: None. IAI Code: None. PCS Code: 1.2. Lecture: 7. Lab: 4.

FRE 240 - Fire Protection Internship (1-6 credits)

Fire Protection Internship provides the student with an opportunity to apply and expand upon newly acquired skills in the fire service work environment. This course is carried out cooperatively between the student and the host facility. Periodic review sessions will be held to assess the student's progress. Participation requires an interview and selection process.

Prerequisite: Completion of FRE-182 with a passing grade. Corequisite: Concurrent enrollment in FRE-118 and FRE-208. IAI Code: None. PCS Code: 1.2. Lecture: 0. Lab: 1-6.

FRE 250 - Special Topics in the Fire Service (1-4 credits)

Special Topics in Fire Science is designed to allow a student to apply other learning experiences toward credit at Rock Valley College. National Fire Academy courses, Illinois Fire Service Institute courses, workshops and seminars are examples of experience, which may be reviewed for credit. A total of four credits will be allowed for this course.

Prerequisite: None. IAI Code: None. PCS Code: 1.2. Lecture: 1-4. Lab: 0.

FRN-Modern Language

In which level of foreign language study should a student enroll?

If a student has taken a foreign language in high school within the last three years, use this simple formula:

- Multiply the number of semesters of high school foreign language study by the numeric equivalent of the grade earned (A=4; B=3; C=1; D=0; F=0).
- Then divide the total by 2.
- If the total is:
  0 - 2.5 enroll in 101
  3 - 4.5 enroll in 102
  5 - 9.5 enroll in 203
  10 - 12.5 enroll in 204
  13 - 16 enroll in 205

If students place into a course above 101, they may petition to receive the equivalent college credits for the course or courses they did not have to take at RVC. Upon successful completion (a grade of B or better) of the advanced course, students can request retroactive credit for the lower class. Contact the Modern Languages Department for full details.

FRN 101 - Beginning French (4 credits)

Beginning French emphasizes basic communication skills in French, including listening, speaking, reading and writing. Students will learn about the culture of selected French-speaking areas.

Prerequisite: None. IAI Code: None. PCS Code: 1.1. Lecture: 4. Lab: 0.

FRN 102 - Continuation of Beginning French (4 credits)

Continuation of Beginning French builds upon and expands the knowledge acquired in Beginning French.

Prerequisite: Successful completion of FRN-101 with a

grade of C or higher, or the equivalent by high school credit or proficiency. See above explanation of placement. IAI Code: None. PCS Code: 1.1. Lecture: 4. Lab: 0.

FRN 203 - Intermediate French (3 credits)

Intermediate French is the third semester of the foreign language sequence, and is conducted entirely in French. In addition to reviewing first-year concepts, students will expand their knowledge of the grammatical structures of the language, participate in conversations on studied topics, increase their ability to understand spoken language, and learn more about the culture of the countries where French is spoken. Students will write short compositions and give an oral presentation.

Prerequisite: Successful completion of FRN-102 with a grade of C or higher, or equivalency by high school credit or proficiency. IAI Code: None. PCS Code: 1.1. Lecture: 3. Lab: 0.

FRN 204 - Continuation of Intermediate French (3 credits)

Continuation of Intermediate French is the fourth semester of the foreign language sequence, and is conducted entirely in French. Students will expand their knowledge of the grammatical structures of the language, participate in conversations on studied topics, increase their ability to understand spoken language, and learn more about the culture of the countries where French is spoken. Students will write short compositions and give an oral presentation.

Prerequisite: Successful completion of FRN-203 with a grade of C or higher, or equivalency by high school credit or proficiency. IAI Code: H1 900. PCS Code: 1.1. Lecture: 3. Lab: 0.

FWS-Fitness Wellness and Sport

FWS 110 - Fitness Walking (1 credit)

Fitness Walking provides individuals with a low-impact alternative to jogging as a means of improving cardiovascular fitness and overall health. This course may be repeated 3 times up to 4 credits. IMPORTANT NOTE: Students retaking a previously passed class may have the repeated class count toward financial aid enrollment only once.

Prerequisite: None. IAI Code: None. PCS Code: 1.1. Lecture: 0. Lab: 2.

FWS 113 - Low Impact Aerobics (1 credit)

Low Impact Aerobics develops and improves strength, flexibility, and cardiovascular endurance. This course may be repeated 3 times up to 4 credits. IMPORTANT NOTE: Students retaking a previously passed class may have the repeated class count toward financial aid enrollment only once.

Prerequisite: None. IAI Code: None. PCS Code: 1.1. Lecture: 0. Lab: 2.

FWS 116 - Step Aerobics (1 credit)

Step Aerobics is designed to stimulate and initiate aerobic-fitness awareness through broadening knowledge and experience of movements of the body through the use of the STEP. This course may be repeated 3 times up to 4 credits. IMPORTANT NOTE: Students retaking a previously passed class may have the repeated class count toward financial aid enrollment only once.

Prerequisite: None. IAI Code: None. PCS Code: 1.1. Lecture: 0. Lab: 2.

FWS 119 - Cardio Kickboxing (1 credit)

Cardio Kickboxing is designed to provide individuals with an aerobic workout. Tae Kwon Do and boxing skills are incorporated into this high-energy exercise session. This course may be repeated 3 times up to 4 credits. IMPORTANT NOTE: Students retaking a previously passed class may have the repeated class count toward financial aid enrollment only once.

Prerequisite: None. IAI Code: None. PCS Code: 1.1. Lecture: 0. Lab: 2.

FWS 121 - Cardiovascular Fitness and Conditioning (1 credit)

Cardiovascular Fitness & Conditioning focuses on a variety of modes of exercise intended to develop cardiovascular fitness. Emphasis will be placed on understanding basic program design, implementation, and execution of cardiovascular exercises. This course may be repeated 3 times up to 4 credits. IMPORTANT NOTE: Students retaking a previously passed class may have the repeated class count toward financial aid enrollment only once.

Prerequisite: None. IAI Code: None. PCS Code: 1.1. Lecture: 0. Lab: 2.

FWS 126 - Beginning Weight Lifting (1 credit)

Beginning Weight Lifting introduces basic and intermediate strategies to developing an appropriate individual strength and resistance program. Emphasis will be placed on understanding basic program design,

implementation, and execution of basic resistance exercises. This course may be repeated 3 times up to 4 credits. IMPORTANT NOTE: Students retaking a previously passed class may have the repeated class count toward financial aid enrollment only once.

Prerequisite: None. IAI Code: None. PCS Code: 1.1. Lecture: 0. Lab: 2.

FWS 127 - Advanced Weight Lifting (2 credits)

This course is designed to provide the student with an in-depth study of weight lifting techniques, strategies, and theories. This course will focus on free weights and advanced lifting strategies that are currently used in society. This course may be repeated 2 times up to 4 credits. IMPORTANT NOTE: Students retaking a previously passed class may have the repeated class count toward financial aid enrollment only once.

Prerequisite: Completion of FWS-126 with a passing grade. IAI Code: None. PCS Code: 1.1. Lecture: 1. Lab: 2.

FWS 128 - Sports Performance Fitness (1 credit)

Sports Performance Fitness focuses on a variety of modes of exercise intended to develop sport-related fitness - speed, balance, agility, power, and coordination. Emphasis will be placed on sport-specific training and high intensity fitness activity. this course may be repeated three times for a total of four credits. Note: Students retaking a previously passed class may have the repeated class count toward financial aid enrollment only once.

Prerequisite: Instructor permission is required to enroll in this class. Please contact FWS Division Office at 815-921-3317 for more information. IAI Code: None. PCS Code: 1.1. Lecture: 0. Lab: 2.

FWS 151 - Tae Kwon Do (1 credit)

Tae Kwon Do is an introduction to a system of techniques for self-defense and counter-attack by the unarmed. The course promotes skill development in basic Tae Kwon Do techniques. This course may be repeated 3 times up to 4 credits. IMPORTANT NOTE: Students retaking a previously passed class may have the repeated class count toward financial aid enrollment only once.

Prerequisite: None. IAI Code: None. PCS Code: 1.1. Lecture: 0. Lab: 2.

FWS 176 - Intercollegiate Sports I (1 credit)

Intercollegiate Sports I is a course for students who are members of one of the college's intercollegiate team sports programs. These include: women's basketball, softball and volleyball; men's baseball, basketball and football. Students may earn a maximum of two credits for any combination of FWS-176 and FWS-177.

Prerequisite: Permission from respective coach is required to enroll in this class. IAI Code: None. PCS Code: 1.1. Lecture: 0. Lab: 2.

FWS 177 - Intercollegiate Sports II (1 credit)

Intercollegiate Sports II is a course for students who are members of one of the college's intercollegiate individual sports teams including women's tennis, men's tennis and men's golf. Students may earn a maximum of two credits for any combination of FWS-176 and FWS-177.

Prerequisite: Permission from respective coach is required to enroll in this class. IAI Code: None. PCS Code: 1.1. Lecture: 0. Lab: 2.

FWS 220 - Introduction to Career Opportunities in Physical Education, Exercise Science, and Sport (3 credits)

Introduction to Career Opportunity in P.E., Exercise Science and Sport provides an opportunity for the student to examine career opportunities in physical education, coaching, sports medicine and closely related fields.

Prerequisite: None. IAI Code: None. PCS Code: 1.1. Lecture: 3. Lab: 0.

FWS 231 - Contemporary Health Issues (3 credits)

Contemporary Health Issues provides health information to students, so they can make intelligent decisions concerning their health and the health of significant others.

Prerequisite: None. IAI Code: None. PCS Code: 1.1. Lecture: 3. Lab: 0.

FWS 233 - Community Health (3 credits)

Community Health is designed to provide the student with an in-depth study of community health organizations issues such as population growth, environment, poverty, medical care and disease.

Prerequisite: None. IAI Code: None. PCS Code: 1.1. Lecture: 3. Lab: 0.

FWS 235 - Alcohol and Drug Education (3 credits)

Alcohol and Drug Education is designed to educate the student about issues relating to all drugs and chemicals used in today's society. Students will learn about prescription drugs, over-the-counter drugs, illicit drugs, and controversial issues surrounding the usage of various

forms of chemicals relevant to current issues.

Prerequisite: None. IAI Code: None. PCS Code: 1.1. Lecture: 3. Lab: 0.

FWS 236 - Human Sexuality (3 credits)

Human Sexuality introduces topics of human sexual functioning including the physiology, sociology, philosophy and morality of human sexual practices and of love.

Prerequisite: None. IAI Code: None. PCS Code: 1.1. Lecture: 3. Lab: 0.

FWS 237 - Nutrition for Optimum Living (3 credits)

Nutrition for Optimum Living explores the function of nutrients and nutrition as it affects health. Attention is given to understanding the importance and inter-relationship of the nutrients to achieving optimal health.

Prerequisite: None. IAI Code: None. PCS Code: 1.1. Lecture: 3. Lab: 0.

FWS 243 - First Aid, General Safety, CPR and AED (3 credits)

The First Aid and General Safety portion of the course is designed to prepare the student to make appropriate decisions regarding first aid care and provide the skills necessary to provide appropriate care for a victim of injury or sudden illness. The CPR and AED training portion of the course is designed to train individuals to recognize and react to emergency situations and to provide care for respiratory and cardiac emergencies. Students will be trained in the practical skills of CPR and the use of an AED. Students successfully completing the course requirements will earn American Red Cross Certification in Adult, Infant and Child First Aid, CPR, & AED.

Prerequisite: None. IAI Code: None. PCS Code: 1.1. Lecture: 3. Lab: 0.

FWS 250 - Introduction to Sport Management (3 credits)

Introduction to Sport Management will introduce the student to the expanding field of sport management. An overview of the field and specific career opportunities will be covered.

Prerequisite: None. IAI Code: None. PCS Code: 1.2. Lecture: 3. Lab: 0.

FWS 253 - Introduction to Coaching (3 credits)

Introduction to Coaching covers the basic principles and practices of coaching by examining sport philosophy, pedagogy, physiology, management, and sports medicine.

Prerequisite: None. IAI Code: None. PCS Code: 1.1. Lecture: 3. Lab: 0.

FWS 254 - ASEP Sport First Aid and CPR (3 credits)

ASEP Sport First Aid and CPR is the second course in a two sequence designed to prepare students for the American Sport Effectiveness Program (ASEP) exam. This course acquaints the student with the concepts and theories of sport first aid. This course will also train students in CPR, with practical and classroom components.

Prerequisite: None. IAI Code: None. PCS Code: 1.1. Lecture: 3. Lab: 0.

FWS 255 - Sociology of Sport (3 credits)

Sociology of Sport is designed to educate students about the relevance of sport in modern society, impact of sport on society, and the influence which cultural institutions have on sport.

Prerequisite: None. IAI Code: None. PCS Code: 1.1. Lecture: 3. Lab: 0.

FWS 256 - History of Physical Education and Sport (3 credits)

History of Physical Education & Sport is the historical development of the physical education field from ancient times to present. The course includes social, political, economic, military, and religious effects on physical education and sports and vice versa.

Prerequisite: None. IAI Code: None. PCS Code: 1.1. Lecture: 3. Lab: 0.

FWS 258 - Sport and Exercise Psychology (3 credits)

Sport and Exercise Psychology is the examination of psychological concepts and coaching attitudes and techniques for improving and fostering athletic performance and enjoyment. The course includes psychological motivation, choice, and individual participation in appropriate athletic and fitness activities.

Prerequisite: None. IAI Code: None. PCS Code: 1.1. Lecture: 3. Lab: 0.

FWS 260 - Introduction to Exercise Science (3 credits)

Introduction to Exercise Science is designed to introduce students to the various aspects of the discipline including areas of study, technology, certifications, professional organizations as well as the current and future trends in exercise science.

Prerequisite: None. IAI Code: None. PCS Code: 1.1. Lecture: 3. Lab: 0.

FWS 261 - Nutrition for Fitness and Sport (3 credits)

Nutrition for Fitness and Sport explores the relationship between nutrition and physical fitness. Topics covered include: adequate diets for athletes, pre-event meals, nutritional demands of aerobic and anaerobic activities, and caloric expenditure for various physical activities.

Prerequisite: None. IAI Code: None. PCS Code: 1.1. Lecture: 3. Lab: 0.

FWS 263 - Nutrition, Exercise and Weight Control (3 credits)

Nutrition, Exercise and Weight Control is specifically designed for those students who want to better understand the relationship of dieting and exercise to obesity. Based on a multi-disciplinary approach, this class will explore the physiological, sociological and psychological theories of obesity. The role of exercise and fitness in weight control will be demonstrated through the actual planning and implementation of a specifically designed exercise program.

Prerequisite: None. IAI Code: None. PCS Code: 1.1. Lecture: 2. Lab: 2.

FWS 265 - Personal Fitness and Wellness (3 credits)

Personal Fitness and Wellness incorporates the principles and theories of wellness into an individualized fitness program. By combining lecture and activity, all aspects of the student's lifestyle will be examined and assessed. Alternations and modifications of counter-productive behaviors will be presented. Implementation of alternative exercise methods will be made with practical application in a variety of activities. Students will be required to attend one group lab and a one hour independent lab.

Prerequisite: None. IAI Code: None. PCS Code: 1.1. Lecture: 2. Lab: 2.

FWS 266 - Personal Training I - Concepts and Applications (3 credits)

This course is the first course in a two sequence designed to prepare students for the National Strength and Conditioning Association Certified Personal Training (NSCA-CPT) exam. This course acquaints the student with the concepts and theories of exercise and its relation to health and physical fitness for personal trainers.

Prerequisite: None. IAI Code: None. PCS Code: 1.2. Lecture: 3. Lab: 0.

FWS 267 - Personal Training II - Concepts and Application (3 credits)

This course is the second course in a two sequence designed to prepare students for the National Strength and Conditioning Association Certified Personal Training (NSCA-CPT) exam. This course acquaints the student with the concepts and theories of exercise and its relation to health and physical fitness for personal trainers.

Prerequisite: Completion of FWS-266 with a passing grade or instructor consent. IAI Code: None. PCS Code: 1.2. Lecture: 3. Lab: 0.

FWS 270 - FWS Practicum I (1-3 credits)

The FWS Practicum I is an opportunity for students entering the fields of Exercise Science, or Sport Management to work directly in local agencies under the supervision of the college. This course is one of three distinctly different experiences that students will experience before graduation. Students are expected to spend 50 hours (per credit hour) observing FWS professionals working in the private or public sector.

Prerequisite: Completion of FWS-250 or FWS-260, or consent of FWS Division Academic Chair. IAI Code: None. PCS Code: 1.2. Lecture: 1. Lab: 50-150.

FWS 271 - FWS Practicum II (1-3 credits)

The Fitness, Wellness & Sport Practicum II is an opportunity for students entering the fields of Exercise Science or Sport Management to work directly in local agencies under the supervision of the college. This course is one of three distinctly different experiences that students will experience before graduation. Students are expected to spend 50 hours (per credit hour) observing FWS professionals working in the private or public sector.

Prerequisite: Completion of FWS-250 or FWS-260, and FWS-270, or consent of FWS Division Academic Chair. IAI Code: None. PCS Code: 1.2. Lecture: 1. Lab: 50-150.

FWS 272 - FWS Practicum III (1-3 credits)

The Fitness, Wellness & Sport Practicum III is an opportunity for students entering the fields of Exercise Science or Sport Management to work directly in local agencies under the supervision of the college. This course is one of three distinctly different experiences that students will experience before graduation. Students are expected to spend 50 hours (per credit hour) observing FWS professionals working in the private or public sector.

Prerequisite: Completion of FWS-250 or FWS-260, and FWS-270 and FWS-271, or consent of FWS Division Academic Chair. IAI Code: None. PCS Code: 1.2. Lecture: 1. Lab: 50-150.

FWS 275 - Personal Training Internship (3 credits)

Personal Training Internship provides the student with an opportunity to apply and expand upon newly acquired skills in the personal training work environment. This course is carried out cooperatively between the student and the host facility. Periodic review sessions will be held to assess the student's progress. Participation requires an interview, background check and selection process.

Prerequisite: 12 hours of FWS course work which must include FWS-121 or FWS-126, FWS-127, and both FWS-266 and FWS-267. IAI Code: None. PCS Code: 1.2. Lecture: 1. Lab: 4.

FWS 276 - Athletic Coaching Internship (3 credits)

The Athletic Coaching Internship provides the student with an opportunity to apply and expand upon newly acquired skills in the coaching work environment. This course is carried out cooperatively between the student and the host facility. Periodic review sessions will be held to assess the student's progress. Participation requires an interview, background check and selection process.

Prerequisite: 12 hours of FWS course work which must include FWS-121 or FWS-126, FWS-127, FWS-253 and FWS-254. IAI Code: None. PCS Code: 1.2. Lecture: 1. Lab: 4.

GAT-Graphic Arts Technology

GAT 101 - Introduction to Graphic Arts Technology (4 credits)

Introduction to Graphic Arts Technology is a series of lectures, discussions, presentations, and laboratory experiences designed to orient students to the breadth of the graphic arts industry. Topics discussed include the historical aspects of the industry as well as the current technology utilized in the production of printed matter.

Prerequisite: None. IAI Code: None. PCS Code: 1.2. Lecture: 2. Lab: 4.

GAT 110 - Introduction to Photoshop (2 credits)

Introduction to Photoshop will familiarize the student with the composition and editing capabilities of Adobe Photoshop. This course is laboratory based and each student will be required to complete a variety of activities utilizing the software.

Prerequisite: None. IAI Code: None. PCS Code: 1.2. Lecture: 1. Lab: 2.

GAT 115 - Introduction to Illustrator (2 credits)

Introduction to Illustrator orients the student to vector-based graphic design software to create original artwork as well as modify and recreate existing files for production output.

Prerequisite: None. IAI Code: None. PCS Code: 1.2. Lecture: 1. Lab: 2.

GAT 150 - Typography (2 credits)

Typography explores the structure, personality, and history of type. Fundamental typographic principles, font recognition, and analysis of the historical use of type will be covered. Emphasis will be on content, form, and technique for effective use of typography in ads, posters, newsletters, and other visual communications.

Prerequisite: Successful completion of GAT-101 with a grade of C or higher, or instructor consent. IAI Code: None. PCS Code: 1.2. Lecture: 1. Lab: 2.

GAT 168 - Graphic Arts Technology Internship (1-6 credits)

Graphic Arts Technology Internship requires a supervised experience in a graphic arts production facility using a cooperative training plan agreed to by the instructor, participating firm, and student. The student must submit an application to the instructor prior to mid-term of the previous semester and requires consent of the instructor or Division Director. Variable credit may be earned up to six hours. This course may be repeated three times.

Prerequisite: Current enrollment in the Graphic Arts Technology curriculum, completion of at least 12 credits in GAT courses, and sophomore class standing. IAI Code: None. PCS Code: 1.2. Lecture: 0. Lab: 5-30.

GAT 178 - Fundamentals of Desktop Publishing (3 credits)

Fundamentals of Desktop Publishing is a continuation of the computer skills learned in GAT-101. This course will explore the basics of graphic design, typography, layout and technical issues for desktop publishing. This course reinforces the use of current computer software including Adobe Illustrator, Adobe Photoshop, and Adobe InDesign.

Prerequisite: Completion of GAT-101 with a passing grade, or instructor consent. IAI Code: None. PCS Code: 1.2. Lecture: 2. Lab: 2.

GAT 190 - Image Generation and Output (2 credits)

Image Generation and Output explores the creation and output of digital files for printing and publishing. Instruction and laboratory experience include the application of current computer software, digital technology, and multiple input and output devices.

Prerequisite: Completion of GAT-101 with a passing grade, or instructor consent. IAI Code: None. PCS Code: 1.2. Lecture: 1. Lab: 2.

GAT 215 - Advanced Illustrator (2 credits)

Advanced Illustrator builds upon skills learned in GAT-115 such as pen tool techniques, object building, pathfinders, and filters and effects. Additional topics include brushes, patterns, appearance palette, 3D effects and live tracing. Projects include technical drawings, artistic renderings and 3D object creation.

Prerequisite: Completion of GAT-115 with a passing grade, or instructor consent. IAI Code: None. PCS Code: 1.2. Lecture: 1. Lab: 2.

GAT 220 - Advanced Photoshop for the Graphic Arts Industry (3 credits)

Advanced Photoshop for the Graphic Arts Industry involves a more intensive study of digital image manipulation. Topics include advanced layering techniques, use of channels, duo tones, and output specific to the printing and publishing industry.

Prerequisite: Completion of GAT-110 with a passing grade, or instructor consent. IAI Code: None. PCS Code: 1.2. Lecture: 2. Lab: 2.

GAT 241 - Intermediate Desktop Publishing (4 credits)

Intermediate Desktop Publishing continues form GAT-178 into more advanced concepts and applications of computer-based composition systems for the graphics arts industry. Topics and projects include: creation of multi-page documents, advertisements, product packaging, large format designs, and file and font management.

Prerequisite: Completion of GAT-178 with a passing grade. IAI Code: None. PCS Code: 1.2. Lecture: 2. Lab: 4.

GAT 242 - Advanced Desktop Publishing (3 credits)

Advanced Desktop Publishing continues from GAT-241 to cover more advanced technologies such as interactive document publishing, and augmented reality. Topics will also include a basic introduction to creating web pages using HTML and CSS and will have students creating their own custom web portfolio.

Prerequisite: Completion of GAT-241 with a passing grade. IAI Code: None. PCS Code: 1.2. Lecture: 2. Lab: 2.

GAT 255 - Color System Management (3 credits)

Color System Management applies color theory to the practical management of color in a production environment. Topics include: color theory, color measurement, creating scanner and monitor color profiles, color modes, color separations, and the proper setup of files to use specialty links and printing techniques.

Prerequisite: Completion of GAT-220 with a passing grade. IAI Code: None. PCS Code: 1.2. Lecture: 2. Lab: 2.

GEL-Geology

GEL 101 - Introduction to Geology (4 credits)

Introduction to Geology is designed as a first or second semester course for both liberal arts and science majors. This course will serve as an introductory course for a student interested in majoring in geology. The focus of this course is on the physical composition of the Earth and the dynamic processes that affect the Earth. Topics covered include plate tectonics, mountain building, volcanoes, earthquakes, glaciers, rivers, minerals, and rocks. This course fulfills laboratory science requirements for students both in and outside the geoscience curriculum.

Prerequisite: Sufficiently high placement test score, or completion of MTH-092, MTH-096A, or MTH-096S with a grade of C or higher. IAI Code: P1 907L. PCS Code: 1.1. Lecture: 3. Lab: 3.

GEL 103 - Fossils and Earth History (4 credits)

Fossils and Earth History is an introduction to the geological history of our planet and the evolution of life through the study of rocks and fossils. The course explores the immensity of geologic time and surveys the physical and biological changes of the Earth System through time, such as the origins of Earth, origin of life, the age of reptiles, and the formation and breakup of super-continents. This course fulfills laboratory science requirements for students both inside and outside the curriculum.

Prerequisite: Sufficiently high placement test score, or completion of MTH-092, MTH-096A or MTH-096S with a grade of C or higher. IAI Code: P1 905L. PCS Code: 1.1. Lecture: 3. Lab: 3.

GEL 107 - Geology of the Solar System (3 credits)

Geology of the Solar System is an introductory survey of the solar system with an emphasis on data acquired by space probes. Topics covered will include the origin and evolution of planetary interiors, surfaces, and atmospheres, as well as the origin and composition of the asteroids and comets. The possibilities for and consequences of exploiting the various components on our solar system for natural resources.

Prerequisite: Sufficiently high placement test score, or completion of MTH-092, MTH-096A, or MTH-096S with a grade of C or higher. IAI Code: P1 906. PCS Code: 1.1. Lecture: 3. Lab: 0.

GEL 206 - Environmental Geology (3 credits)

Environmental Geology explores both the constraints imposed by geology on human activities and human impacts on natural processes. Topics include fundamental geologic processes and associated hazards (earthquakes, volcanic eruptions, flooding, landslides), evaluation of geologic resources, and the legal and geologic limitation of resource utilization. The course will explore topics such as waste disposal and land use planning.

Prerequisite: Sufficiently high placement test score, or completion of MTH-092, MTH-096A, or MTH-096S with a grade of C or higher. IAI Code: P1 908. PCS Code: 1.1. Lecture: 3. Lab: 0.

GRM-Modern Language

In which level of foreign language study should a student enroll?

If a student has taken a foreign language in high school within the last three years, use this simple formula:

- Multiply the number of semesters of high school foreign language study by the numeric equivalent of the grade earned (A=4; B=3; C=1; D=0; F=0).
- Then divide the total by 2.
- If the total is:
  0 - 2.5 enroll in 101
  3 - 4.5 enroll in 102
  5 - 9.5 enroll in 203
  10 - 12.5 enroll in 204
  13 - 16 enroll in 205

If students place into a course above 101, they may petition to receive the equivalent college credits for the course or courses they did not have to take at RVC. Upon successful completion (a grade of B or better) of the advanced course, students can request retroactive credit for the lower class. Contact the Modern Languages Department for full details.

GRM 101 - Beginning German (4 credits)

Beginning German emphasizes basic communicative skills in German, including listening, speaking, reading and writing. Students will learn about the culture of selected German-speaking areas.

Prerequisite: None. IAI Code: None. PCS Code: 1.1. Lecture: 4. Lab: 0.

GRM 102 - Continuation of Beginning German (4 credits)

Continuation of Beginning German builds upon and expands the knowledge acquired in Beginning German.

Prerequisite: Successful completion of GRM-101 with a grade of C or higher, or the equivalent by high school credit or proficiency. See above explanation of placement. IAI Code: None. PCS Code: 1.1. Lecture: 4. Lab: 0.

GRM 204 - Continuation of Intermediate German (3 credits)

Continuation of Intermediate German is the fourth semester of the foreign language sequence, and is conducted entirely in German. Students will expand their knowledge of the grammatical structures of the language, participate in conversations on studied topics, increase their ability to understand spoken language, and learn more about the culture of the countries where German is spoken. Students will write short compositions and give an oral presentation.

Prerequisite: Successful completion of GRM-203 with a grade of C or higher, or equivalency by high school credit

or proficiency. IAI Code: H1 900. PCS Code: 1.1. Lecture: 3. Lab: 0.

HLT-Health

HLT 110 - Medical Terminology (2 credits)

Medical Terminology provides study of a wide range of medical terminology. The course is of value to those preparing for careers as health care providers and for diagnostic careers. It is also of value to those preparing for medical office careers, including Medical Office Assistant, Medical Transcriptionist, Medical Coding, and others. Course content includes building medical terms from word parts and specific medical terms relating to body systems, diseases, diagnosis, surgical and medical care, abbreviations, medications, and other medical terms.

Prerequisite: None. IAI Code: None. PCS Code: 1.2. Lecture: 2. Lab: 0.

HST-History

HST 140 - History of Western Civilization I (3 credits)

History of Western Civilization I includes prehistoric people, the ancient cultures, Greek and Roman civilization, the Middle Ages, the Renaissance and the Reformation. The evolution of people from the earliest times to the 17th century is covered.

Prerequisite: None. IAI Code: S2 902. PCS Code: 1.1. Lecture: 3. Lab: 0.

HST 141 - History of Western Civilization II credits (3 credits)

History of Western Civilization II covers the evolution of Western people from the 17th century to the present. The development of Western institutions of government, the modern state system, international relations, and the cultural and intellectual development of the West are treated.

Prerequisite: None. IAI Code: S2 903. PCS Code: 1.1. Lecture: 3. Lab: 0.

HST 142 - History of the United States to 1865 (3 credits)

History of the United States to 1865 begins with the background to and development of the American colonies, continues with the American Revolution, Constitution, Federal Period, Age of Jefferson, National Period, and Age of Jackson and concludes with the background to the Civil War, the Civil War, and Reconstruction.

Prerequisite: None. IAI Code: S2 900. PCS Code: 1.1. Lecture: 3. Lab: 0.

HST 143 - History of the United States Since 1865 (3 credits)

History of the United States Since 1865 begins with the problems of Reconstruction, proceeds to the American Industrial Revolution and its effects--urbanism, culture, politics of the Guilded Ages, Imperialism, Progressivism -- continues with the 20th century and the United States' role in World War I, 1920s, Depression, and its role in World War II, and concludes with the United States since World War II.

Prerequisite: None. IAI Code: S2 901. PCS Code: 1.1. Lecture: 3. Lab: 0.

HST 144 - Current History 1945 to the Present (3 credits)

Current History 1945 to the Present is a historical analysis of the contemporary world in its national and international setting from 1945 to the present that is divided 1945-1960, 1960-1972, 1972-1980, 1980-1991, and current events.

Prerequisite: None. IAI Code: None. PCS Code: 1.1. Lecture: 3. Lab: 0.

HST 145 - Black American Experience in the History of the United States (3 credits)

This course examines the history, culture, and identity of African-Americans in the United States from the colonial era to the present. The course explores unique challenges faced by Black Americans, as well as their contribution to the history of the United States, throughout this period of American history, including but not limited to the Great Migration, Harlem Renaissance, New Deal, World Wars, and the Civil Rights Movement. Contemporary life and questions for the Black American community will also be discussed from this historical perspective.

Prerequisite: None. IAI Code: S2 923D. PCS Code: 1.1. Lecture: 3. Lab: 0.

HST 146 - The Holocaust in History (3 credits)

The attempted destruction of the Jews of Europe staggered our collective human history and left a brutal scar that will never (and never can be allowed to) disappear. In a twenty-first century when Holocaust denialism and Neo-Nazis movements are on the rise, this course insists on a truthful analysis of the past, including an exploration of the historical process that produced the Holocaust, the

mechanics of its operation, the perpetrators, victims, and bystanders who designed, suffered, or stood silent, and the far-reaching legacy of this genocide today.

Prerequisite: None. IAI Code: None. PCS Code: 1.1. Lecture: 3. Lab: 0.

HST 151 - African History Survey to 1600 (3 credits)

African History Survey to 1600 includes the geography, the culture, languages, and the political and social institutions of the African people. Emphasis will be placed upon the birth of man, prehistory, ancient and medieval civilizations and kingdoms, initial contact with Europe and the beginning(s) of the slave trade.

Prerequisite: None. IAI Code: S2 906N. PCS Code: 1.1. Lecture: 3. Lab: 0.

HST 152 - African History Survey Since 1600 (3 credits)

African History Survey Since 1600 covers the slave trade, roots of European expansion, colonialism and the scramble for Africa, the Berlin Conference and the partitioning, the growth of nationalism, the fight for independence, neocolonialism, and the emergence of the modern African nation.

Prerequisite: None. IAI Code: S2 907N. PCS Code: 1.1. Lecture: 3. Lab: 0.

HST 162 - History of Latin America I (3 credits)

History of Latin America I is an introductory survey course that focuses on the political, social, and economic history of the principal Latin American nations, including the origins and development of its peoples and cultures from ancient civilizations to the European conquest.

Prerequisite: None. IAI Code: S2 910N. PCS Code: 1.1. Lecture: 3. Lab: 0.

HST 163 - History of Latin America II (3 credits)

History of Latin America II is a continuation of History of Latin America I. This course focuses on the political, social, economic and cultural history of the principal Latin American nations from the late Colonial period to the present. Major influences, forces, and personalities will be studied.

Prerequisite: None. IAI Code: S2 911N. PCS Code: 1.1. Lecture: 3. Lab: 0.

HST 172 - History of the Middle East to 1453 (3 credits)

History of the Middle East to 1453 is an introductory survey of the political, social and economic history of the principal Middle Eastern countries, including the origins and development of the peoples and cultures. The course focuses on major movements, influences and personalities that helped shape the Middle East.

Prerequisite: None. IAI Code: S2 918N. PCS Code: 1.1. Lecture: 3. Lab: 0.

HST 173 - History of the Middle East Since 1453 (3 credits)

History of the Middle East Since 1453 is an introductory survey of the political, social and economic history of the principal Middle Eastern countries, including the origins and development of the peoples and cultures. The course focuses on major movements, influences and personalities that helped shape the Middle East. Among the more important themes will be long-term cultural and social continuities with the Islamic tradition, and concepts of religious and political authority.

Prerequisite: None. IAI Code: S2 919N. PCS Code: 1.1. Lecture: 3. Lab: 0.

HST 182 - History of Eastern Civilization to 1500 (3 credits)

History of Eastern Civilization to 1500 includes the political and cultural history of India, China, Japan and Southeast Asia. The origins, development and importance of the major religions of Asia will be stressed.

Prerequisite: None. IAI Code: S2 908N. PCS Code: 1.1. Lecture: 3. Lab: 0.

HST 183 - History of Eastern Civilization Since 1500 (3 credits)

History of Eastern Civilization Since 1500 is a survey of the developments in India, China, Japan, and Southeast Asia since the arrival of the Europeans. The impact of technology from the West upon political ideas, cultural-religious values, and economics will be stressed.

Prerequisite: None. IAI Code: S2 909N. PCS Code: 1.1. Lecture: 3. Lab: 0.

HST 192 - History of the World Until 1750 (3 credits)

This course provides a survey of World History from the earliest beginnings of humankind until 1750. It will

examine the growth and development of the social, political, economic, and cultural institutions of the societies of the world.

Prerequisite: None. IAI Code: S2 912N. PCS Code: 1.1. Lecture: 3. Lab: 0.

HST 193 - History of the World Since 1750 (3 credits)

This course provides a survey of World History from 1750 until the present. It will examine the social, political, economic, and cultural changes in the societies of the world during that time period.

Prerequisite: None. IAI Code: S2 913N. PCS Code: 1.1. Lecture: 3. Lab: 0.

HST 210 - History of Women of the United States (3 credits)

This course provides an overview of four hundred years of American women's history in all its diversity. Themes will include the private and family experiences of women, the nature of women's work and education, and the political and civic role and activism of women. The grand sweep of American history - colonial settlement and conquest, revolution and civil war, the institution of slavery, industrialization, world wars, the rise of consumerism, the workings of the welfare state - will provide the backdrop for the story.

Prerequisite: None. IAI Code: None. PCS Code: 1.1. Lecture: 3. Lab: 0.

HUM-Humanities

HUM 111 - Introduction to Humanities I (3 credits)

Introduction to Western Humanities I is a basic introduction to the humanities including art, music, literature, philosophy, and history from the Antiquity to the Medieval Period. Differing subject matter and issues will be discussed and analyzed with attention directed to the role of humanities in current society.

Prerequisite: None. IAI Code: HF 902. PCS Code: 1.1. Lecture: 3. Lab: 0.

HUM 112 - Introduction to Humanities II (3 credits)

Introduction to Humanities II, 1600 to the present, is a basic introduction to the humanities including art, music, literature, philosophy, and history from the Renaissance to modern times. Differing subject matter and issues will be discussed and analyzed with attention directed to the role of humanities in current society.

Prerequisite: None. IAI Code: HF 903. PCS Code: 1.1. Lecture: 3. Lab: 0.

HUM 114 - Introduction to Humanities III: Contemporary Western World (3 credits)

This course is an interdisciplinary, thematic survey of the history, philosophy, art, music, and literature of the Western World from the beginnings of the twentieth century to the present. Using an historical framework extending back to the concept of "modernism" as defined by antiquity through contemporary times, students will examine the connections between earlier concepts of modernism and those of their own time, ultimately recognizing contemporary themes, genres, and relationships within the humanities. Emphasis will be on the relevance of these trends on current society and implications for the future.

Prerequisite: None. IAI Code: HF 901. PCS Code: 1.1. Lecture: 3. Lab: 0.

HUM 117 - Ethnic Traditions in American Theatre (3 credits)

This course involves reading and writing about American plays that dramatize racial and ethnic minorities struggling to construct identities in a society influenced by dominant myths concerning gender, family, success, race, equality, and freedom.

Prerequisite: None. IAI Code: F1 909D. PCS Code: 1.1. Lecture: 3. Lab: 0.

HUM 120 - Latin American Cultural Expression (3 credits)

Latin American Cultural Expression is an interdisciplinary survey of the significant intellectual and artistic achievements of selected Latin American cultures or countries, through works which may include literature, philosophy, visual art, architecture, music, and film. Some may also include travel to the selected country or region. Selected works will show the transformation from a colonial culture following the European model to a gradual development of a national identity and culture. The selected Latin American culture will be announced in the schedule of classes. The course will be taught in English.

Prerequisite: None. IAI Code: HF 904N. PCS Code: 1.1. Lecture: 3. Lab: 0.

HUM 121 - U.S. Latino/Latina Cultural Expression (3 credits)

U.S. Latino/Latina Cultural Expression is an interdisciplinary study of the cultural identities of U.S. Latinos/Latinas. Using a historical framework, students will be introduced to the literary, artistic, and socio-political contributions from this minority to U.S. culture. The class will explore issues of adaptation, marginalization, changing gender roles, and the search for self and place in a bilingual-bicultural society.

Prerequisite: None. IAI Code: HF 906D. PCS Code: 1.1. Lecture: 3. Lab: 0.

HUM 122 - Spanish Cultural Expression (3 credits)

Spanish Cultural Expression is a chronologically-organized interdisciplinary survey of the significant intellectual, literary, philosophical, visual art, music and other performing art expressions from the major epochs of modern Spain. This class may include a travel experience where the culture will be studied on-site. This class will be taught in English.

Prerequisite: None. IAI Code: HF 902. PCS Code: 1.1. Lecture: 3. Lab: 0.

HUM 125 - Introduction to Non-Western Humanities (3 credits)

Introduction to Non-Western Humanities is a guided, interdisciplinary exploration of the humanities, focusing on non-western perspectives and traditions. Works and issues in art, music, architecture, literature, philosophy, religion, and performance will be studied, both within a particular cultural formation (such as Middle Eastern, Asian, African, South American) and also through a comparative examination of their values, motifs and aesthetics with those of western cultural expression.

Prerequisite: None. IAI Code: HF 904N. PCS Code: 1.1. Lecture: 3. Lab: 0.

HUM 151 - Exploring Non-Western Culture Through Myth (3 credits)

Exploring Non-Western Culture Through Myth is an interdisciplinary, thematic and comparative survey of myth and its place in the intellectual and artistic achievements of Non-Western cultures. Emphasis will be on how myths, as an expression of culture, are represented in philosophy, visual art, music and other performing arts. Graded written work (15-20 pages) will consist of critical responses, essay or research papers.

Prerequisite: None. IAI Code: HF 904N. PCS Code: 1.1. Lecture: 3. Lab: 0.

HUM 210 - Cultural Expression of Gender in the Visual and Performing Arts (3 credits)

Cultural Expression of Gender in the Visual and Performing Arts is the interdisciplinary study of art, architecture, music, theater performance, and dance that focuses on the experience and construction of gender identity in Western culture.

Prerequisite: None; Recommended: Prior study of or experience in art, architecture, music, theatre performance and/or dance. IAI Code: F2 907D. PCS Code: 1.1. Lecture: 3. Lab: 0.

HUM 211 - War and Western Humanities Through the Middle Ages (3 credits)

War and Western Humanities Through the Middle Ages is a survey course which explores the theme of war as represented in the history, art, literature, music and philosophy of the Western World from the earliest civilizations of Mesopotamia and Egypt through the Middle Ages. Special emphasis may be placed on specific conflicts (i.e., The Macedonian Wars, The Peloponnesian war, The Punic Wars, The 100 Years, war, etc.) while placing these in the larger context of the theme of humanism and war. The content of the course will lead to considerations of its relevance in the conflicts of the present day and their representations in current art, literature, music, and philosophy.

Prerequisite: None. IAI Code: HF 900. PCS Code: 1.1. Lecture: 3. Lab: 0.

HUM 212 - War and Western Humanities from the Renaissance to the Present (3 credits)

War and Western Humanities from the Renaissance to the Present is a survey course which explores the theme of war as represented in the history, art, literature, music and philosophy of the Western World beginning with the Renaissance through modern times. Special emphasis may be placed on specific conflicts (i.e. The Thirty Years' War, The French Revolution, The American Revolution, World Wars I and II, Vietnam, etc.) while placing these in the larger context of the theme of humanism and war. The content of the course will lead to considerations of its relevance in the conflicts of the present day and their representations in current art, literature, music and philosophy.

Prerequisite: None. IAI Code: HF 900. PCS Code: 1.1. Lecture: 3. Lab: 0.

HUM 250 - Leadership Development Studies (3 credits)

This course is a comprehensive analysis of the traits and values inherent in effective leaders. Speeches, biographies, essays, literary classics and films are examined in a collegial, self-directed environment to facilitate class discussions. Phi Theta Kappa, the national community college honor society, provides text materials and certifies the course instructors.

Prerequisite: Successful completion of ENG-099 with a grade of C or higher. IAI Code: None. PCS Code: 1.1. Lecture: 3. Lab: 0.

LIT-Literature

LIT 101 - Introduction to Literature (3 credits)

Introduction to Literature teaches students to study literature critically by examining the formal characteristics of texts and practicing close reading to interpret and analyze the meanings that texts create. Students will study multiple types of literature (including fiction, poetry, drama, and nonfiction) from a range of periods, cultures, and genres. Students will also be introduced to literacy criticism about selected texts.

Prerequisite: Sufficiently high placement score resulting in ENG-101, or completed ENG-099 with a grade of C or higher. IAI Code: H3 900. PCS Code: 1.1. Lecture: 3. Lab: 0.

LIT 139 - Mythology (3 credits)

Mythology is an introductory course in reading, analyzing, and discussing the more important myths, studying what distinguishes mythology from other story forms, and noting the influences of mythology on traditional literature. Graded written work (a minimum of 9-12 typed pages) may include critical responses, essay examinations, formal research papers, critiques, and/or group presentations, in addition to any journals, class notes, or other informal responses.

Prerequisite: Sufficiently high English placement score resulting in placement in ENG-101, or completed ENG-099 with a grade of C or higher. IAI Code: H9 901. PCS Code: 1.1. Lecture: 3. Lab: 0.

LIT 140 - The Bible as Literature (3 credits)

The Bible as Literature is an introductory course in reading, analyzing, and discussing the literature of the Bible: the quality and style of its literary forms and its influence on English and American literature. Graded written work (a minimum of 9-12 typed pages) may include critical responses, essay examinations, formal research papers, critiques, and/or group presentations, in addition to any journals, class notes, or other informal responses.

Prerequisite: Sufficiently high English placement score resulting in placement in ENG-101, or completed ENG-099 with a grade of C or higher. IAI Code: H5 901. PCS Code: 1.1. Lecture: 3. Lab: 0.

LIT 141 - Film and Literature (3 credits)

Film and Literature is an introductory course analyzing the formal elements of film and literature and the formal, thematic and/or historical relationships between selected works of literature and selected films, including film adaptations of literary works. Graded written work (a minimum of 9-12 pages) may include critical responses, essay examinations, formal research papers, critiques, and/or group presentations, in addition to any journals, class notes, or other informal responses.

Prerequisite: Sufficiently high English placement score resulting in placement in ENG-101, or completed ENG-099 with a grade of C or higher. IAI Code: HF 908. PCS Code: 1.1. Lecture: 3. Lab: 0.

LIT 142 - Exploring Literature: Poetry (3 credits)

Exploring Literature: Poetry involves instruction and practice in close reading of poetry, focusing on reading, discussing, and writing effectively about a range of poems, it is not a historical survey. Students will be able to use relevant critical terms in their analyses of poems; to discuss poetic forms, genres, and techniques in an informed way; and to deal effectively with questions of interpretation. Graded written work (a minimum of 9-12 typed pages) may include critical responses, essay examinations, formal research papers, critiques, and/or group presentations, in addition to any journals, class notes, or other informal responses.

Prerequisite: Sufficiently high English placement score resulting in placement in ENG-101, or completed ENG-099 with a grade of C or higher. IAI Code: H3 903. PCS Code: 1.1. Lecture: 3. Lab: 0.

LIT 143 - Exploring Literature: Drama (3 credits)

Exploring Literature: Drama involves reading and discussion of representative plays, ranging from classical to modern drama, with some attention to dramatic and theater criticism. Graded written work (a minimum of 9-12 typed pages) may include critical responses, essay examinations, formal research papers, critiques, and/or

group presentations in addition to any journals, class notes, or other informal responses.

Prerequisite: Sufficiently high English placement score resulting in placement in ENG-101, or completed ENG-099 with a grade of C or higher. IAI Code: H3 902. PCS Code: 1.1. Lecture: 3. Lab: 0.

LIT 144 - Exploring Literature: Fiction (3 credits)

Exploring Literature: Fiction involves reading and discussion of representative short stories and novels from a range of literature, with some attention to critical work on fiction. Graded written work (a minimum of 9-12 typed pages) may include critical responses, essay examinations, formal research papers, and/or group presentations, in addition to any journals, class notes, or other informal responses.

Prerequisite: Sufficiently high English placement score resulting in placement in ENG-101, or completed ENG-099 with a grade of C or higher. IAI Code: H3 901. PCS Code: 1.1. Lecture: 3. Lab: 0.

LIT 152 - Multicultural American Literature (3 credits)

Multicultural American Literature explores questions of cultural identify and difference in contemporary (post-1945) American literature, including works by African American, Asian American, Latina/o American and Native authors. Graded written work (a minimum of 9-12 pages) may include critical responses, essay examinations, formal research papers, critiques, and/or group presentations, in addition to any journals, class notes, or other informal responses.

Prerequisite: Sufficiently high placement score resulting in placement in ENG-101, or grade of C or better in ENG-099. IAI Code: H3 910D. PCS Code: 1.1. Lecture: 3. Lab: 0.

LIT 154 - Introduction to Non-Western Literature (3 credits)

Introduction to Non-Western Literature introduces students to literature in English or in English translation by writers from non-Western cultures in Africa, the Middle-East, South Asia, Asia, Latin America, and the Caribbean, and by the Indigenous peoples, with an emphasis on the intellectual, social, and political contexts of their works. Graded written work (a minimum of 9-12 pages) may include critical responses, essay examinations, formal research papers, critiques, and/or group presentations, in addition to any journals, class notes, or other informal responses.

Prerequisite: Sufficiently high placement score resulting in placement in ENG-101, or grade of C or better in ENG-099. IAI Code: H3 908N. PCS Code: 1.1. Lecture: 3. Lab: 0.

LIT 201 - American Literature Before 1865 (3 credits)

American Literature before 1865 involves a survey of representative texts illustrating the development of American literature from its beginnings to the Civil War, with an emphasis on major literary movements understood in relation to their intellectual, social, and political contexts. Written work includes substantial formal essay assignments (a minimum of 9-12 typed pages) and a midterm and final exam, in addition to any journals, class notes or other informal responses.

Prerequisite: Successful completion of ENG-101 with a grade of C or higher. IAI Code: H3 914. PCS Code: 1.1. Lecture: 3. Lab: 0.

LIT 202 - American Literature Since 1865 (3 credits)

American Literature since 1865 involves a survey of representative works illustrating the development of American literature from the Civil War to the present, with an emphasis on major literary movements understood in relation to their intellectual, social, and political contexts. Written work includes substantial formal essay assignments (a minimum of 9-12 typed pages) and a midterm and final exam, in addition to any journals, class notes, or other informal responses.

Prerequisite: Successful completion of ENG-101 with a grade of C or higher. IAI Code: H3 915. PCS Code: 1.1. Lecture: 3. Lab: 0.

LIT 205 - British Literature before 1800 (3 credits)

British Literature before 1800 involves a survey of representative works illustrating the development of British literature from its beginnings to 1800, with an emphasis on major literary movements understood in relation to their intellectual, social, and political contexts. Written work includes substantial formal essay assignments (a minimum of 9-12 typed pages) and a midterm and final exam, in addition to any journals, class notes, or other informal responses.

Prerequisite: Successful completion of ENG-101 with a grade of C or higher. IAI Code: H3 912. PCS Code: 1.1. Lecture: 3. Lab: 0.

LIT 206 - British Literature since 1800 (3 credits)

British Literature since 1800 involves a survey of representative works illustrating the development of British literature from 1800 to the present, with an emphasis on major literary movements understood in relation to their intellectual, social, and political contexts. Written work includes substantial formal essay assignments (a minimum of 9-12 typed pages) and a midterm and final exam, in addition to any journals, class notes, or other informal responses.

Prerequisite: Successful completion of ENG-101 with a grade of C or higher. IAI Code: H3 913. PCS Code: 1.1. Lecture: 3. Lab: 0.

LIT 210 - Women Writers: The Early Years to 1800 (3 credits)

Women Writers: The Early Years to 1800 will involves a survey of representative texts illustrating the development of women's literature from its beginnings to 1800, with an emphasis on major literary movements understood in relation to their intellectual, social, and political contexts. Works will be primarily by women, from various communities and traditions, and will consider ways in which women have presented themselves and have been presented by others. Written work includes substantial formal essay assignments (a minimum of 9-12 typed pages) and a midterm and final exam, in addition to any journals, class notes, or other informal responses.

Prerequisite: Successful completion of ENG-101 with a grade of C or higher. IAI Code: H3 911D. PCS Code: 1.1. Lecture: 3. Lab: 0.

LIT 211 - Women's Literature: 1800 to Present (3 credits)

Women's Literature: 1800 to Present involves a survey of representative texts illustrating the development of women's literature from 1800 to the present, with an emphasis on major literary movements understood in relation to their intellectual, social, and political contexts. Works will be primarily by women, from various communities and traditions, and will consider ways in which women have presented themselves and have been presented by others. Written work includes substantial formal essay assignments (a minimum of 9 to 12 typed pages) and a midterm and final exam, in addition to any journals, class notes, or other informal responses.

Prerequisite: Successful completion of ENG-101 with a grade of C or higher. IAI Code: H3 911D. PCS Code: 1.1. Lecture: 3. Lab: 0.

LIT 241 - Shakespeare (3 credits)

Shakespeare is an introductory course in the works and world of Shakespeare that focuses on reading, discussion, and criticism of the major histories, comedies, tragedies, problem plays and non-dramatic poetry. Graded written work (a minimum of 9-12 pages) may include critical responses, essay examinations, formal research papers, critiques, and/or group presentations, in addition to any journals, class notes, or other informal responses.

Prerequisite: Successful completion of ENG-101 with a grade of C or higher. IAI Code: H3 905. PCS Code: 1.1. Lecture: 3. Lab: 0.

MDA-Medical Assistant

MDA 101 - Introduction to Medical Assisting (4 credits)

This course is an introduction to the Medical Assistant field. Students will explore aspects of the medical clinic including communication, patient advocacy, infection control and cultural diversity. Students will be introduced to types of insurance claims, procedure and diagnostic coding, management of practice finances, and billing collections. There is an emphasis on safety and disaster preparation for the office and community. Students will be trained in the practical skills of CPR and the use of an AED as well as First Aid. Students successfully completing the course requirements will earn certifications in CPR/AED for the Healthcare Provider and First Aid.

Prerequisite: Successful completion of ENG-101 with a grade of C or higher, and admission into the Medical Assistant program. Corequisite: Previous or concurrent enrollment in SPH-131, HLT-110, and PHL-153, minimum grade C required; previous or concurrent enrollment in BIO-185 OR BIO-281/BIO-282, minimum grade C required. IAI Code: None. PCS Code: 1.2. Lecture: 4. Lab: 0.

MDA 102 - Patho-Pharmacology for Medical Assistant (3 credits)

This course combines pathophysiology and pharmacology concepts. Students will review basic drug facts related to drug administration, acceptable abbreviations, methods of administration, and legal considerations related to drug administration. There is a focus on the pathological causes, physiological effects, prevention, and basic treatments of disease. These aspects of the disease processes are combined with pharmacologic treatments which may be used in the management of the disease processes. Application of knowledge and skills occur in lecture and

skills lab.

Prerequisite: Successful completion of MDA-101, HLT-110, PHL-153, and BIO-185 (or BIO-281/BIO-282) with a grade of C or higher. Corequisite: Previous or concurrent enrollment in OFF-144 and OFF-147, minimum grade C required; concurrent enrollment in MDA-103. IAI Code: None. PCS Code: 1.2. Lecture: 2.5. Lab: 1.

MDA 103 - Medical Assistant Clinical Procedures I (5 credits)

This course introduces medical assistant students to clinical procedures performed in the medical office setting. Students perform basic exam room skills, including: screening, vital signs, obtaining patient history and preparing patients for routine exams. The student will be introduced to patient coaching, surgical supplies and instruments, and assisting with surgical procedures. The learner explores therapeutic communication techniques related to patient care. This course also introduces medical assistant students to laboratory procedures commonly performed in a medical office setting, including Clinical Laboratory Improvement Amendment (CLIA) waived routine laboratory procedures. Students follow laboratory safety requirements and federal regulations while performing specimen collection and processing of microbiology and urinalysis testing. Application of knowledge and skills occur in lecture, skills lab and in the ambulatory clinic setting.

Prerequisite: Successful completion of MDA-101, HLT-110, PHL-153, and BIO-185 (or BIO-281/BIO-282) with a grade of C or higher. Corequisite: Previous or concurrent enrollment in OFF-144 and OFF-147, minimum grade C required; concurrent enrollment in MDA-102. IAI Code: None. PCS Code: 1.2. Lecture: 3. Lab: 4.

MDA 104 - Medical Assistant Clinical Procedures II (5.5 credits)

This course prepares medical assistant students to perform advanced patient care skills in specialty medical offices. Students perform clinical procedures including assisting with minor surgeries, performing an electrocardiogram, assisting with respiratory testing, supporting patient education, and maintaining clinical equipment in an ambulatory setting. Students learn preventive care and principles of nutrition will be reinforced. This course also prepares students to perform phlebotomy and Clinical Laboratory Improvement Amendment (CLIA) waived hematology, chemistry, immunology, and laboratory procedures commonly performed by medical assistants in the ambulatory care setting. Application of knowledge and skills occur in lecture, skills lab and in the ambulatory clinic setting.

Prerequisite: Successful completion of MDA-102, MDA-103, OFF-144, and OFF-147 with a grade of C or higher. Corequisite: Previous or concurrent enrollment in OFF-245, OFF-250, FWS-237; minimum grade C required. IAI Code: None. PCS Code: 1.2. Lecture: 3. Lab: 5.

MDA 105 - Medical Assistant Externship (4 credits)

Medical Assistant students will perform administrative and clinical procedures, under the direction of a Medical Assistant in a medical ambulatory setting. This non-paid 200-hour clinical experience will provide students with direct patient contact, the opportunity to gain insight into the role of the Medical Assistant in a healthcare team, and the opportunity to become competent and confident in the performance of tasks for which they have been trained. This course must be taken concurrently with MDA-106.

Prerequisite: Successful completion of MDA-104, OFF-245, OFF-250, and FWS-237 with a grade of C or higher. Corequisite: Concurrent enrollment in MDA-106. IAI Code: None. PCS Code: 1.2. Lecture: 0. Lab: 8.

MDA 106 - Medical Assistant Seminar (1.5 credits)

This course transitions students into the professional workforce as Medical Assistants. The course explores self-management, interpersonal, and communication skills specific to the Medical Assistant profession. Students will learn best practices for gainful employment. This course must be taken concurrently with MDA-105.

Prerequisite: Successful completion of MDA-104, OFF-245, OFF-250, and FWS-237 with a grade of C or higher. Corequisite: Concurrent enrollment in MDA-105. IAI Code: None. PCS Code: 1.2. Lecture: 1.5. Lab: 0.

MEC-Mechatronics

MEC 100 - Mechanical Systems I (1 credit)

Mechanical Systems I covers basic safety practices types of hand tools and fasteners, foundational mechanical principles, lubrication, and troubleshooting associated with introductory mechatronics.

Prerequisite: None. IAI Code: None. PCS Code: 1.2. Lecture: 0.5. Lab: 1.

MEC 101 - Mechanical Systems II (1 credit)

Mechanical Systems II is the second of three courses

studying basic mechanical components and their function within a complex mechatronics system. This course introduces basic mechanical transmission systems (e.g., belt drives, chain drives, and gear drive systems).

Prerequisite: Successful completion of MEC-100 with a grade of C or higher. IAI Code: None. PCS Code: 1.2. Lecture: 0.5. Lab: 1.

MEC 102 - Mechanical Systems III (1 credit)

Mechanical Systems III is on fundamental mechanical systems introduces the basics of bearings, bearing maintenance and troubleshooting, bearing installation; coupling types, coupling installation, coupling/shaft alignment; and seals and gaskets.

Prerequisite: Successful completion of MEC-101 with a grade of C or higher. IAI Code: None. PCS Code: 1.2. Lecture: 0.5. Lab: 1.

MEC 103 - Mechanical Systems (3 credits)

Mechanical Systems studies basic mechanical components and their function within a complex mechatronics system. Topics covered include basic safety practices, types of hand tools and fasteners, foundational mechanical principles, lubrication, troubleshooting associated with introductory mechatronics, basic mechanical transmission (e.g., belt drives, chain drives, and gear drive systems), the basics of bearings, bearing maintenance and troubleshooting, bearing installation; coupling types, coupling installation, coupling/shaft alignment, and seals and gaskets.

Prerequisite: None. IAI Code: None. PCS Code: 1.2. Lecture: 1.5. Lab: 3.

MEC 110 - Electrical Systems I (1 credit)

Electrical Systems I is a study of the basic electrical components in a complex mechatronics system. This course consists of 5 units along with corresponding labs and/or class activities. Topics covered include electrical safety; basic functions and physical properties of electrical components; building a fundamental understanding of electrical current and how to quantify it; working with electrical units; use of Ohm's law; use of electrical measuring equipment.

Prerequisite: None. IAI Code: None. PCS Code: 1.2. Lecture: 0.5. Lab: 1.

MEC 111 - Electrical Systems II (1 credit)

Electrical Systems II is a study of the basic electrical components in a complex mechatronics system. This course consists of 4 units along with corresponding labs and/or class activities. Topics covered include series and parallel circuits; resistance and voltage drop within circuits; and the role of magnetism in electrical equipment operation.

Prerequisite: Successful completion of MEC-110 with a grade of C or higher. IAI Code: None. PCS Code: 1.2. Lecture: 0.5. Lab: 1.

MEC 112 - Electrical Systems III (1 credit)

Electrical Systems III is a study of the basic electrical components in a complex mechatronics system. This course consists of 5 units along with corresponding labs and/or class activities. Topics covered include an introduction to AC power, transformers, DC and AC motors, motor controls, and electrical sensors.

Prerequisite: Successful completion of MEC-111 with a grade of C or higher. IAI Code: None. PCS Code: 1.2. Lecture: 0.5. Lab: 1.

MEC 113 - Electrical Systems (3 credits)

Electrical Systems is a study of the basic electrical components in a complex mechatronics systems. Topics covered include electrical safety, basic functions and physical properties of electrical components, building a fundamental understanding of electrical current and how to quantify it, working with electrical units; use of Ohm's law, use of electrical measuring equipment, series and parallel circuits, resistance and voltage drop within circuits, the role of magnetism in electrical equipment operation, an introduction to AC power, transformers, DC and AC motors, motor controls, and electrical sensors.

Prerequisite: None. IAI Code: None. PCS Code: 1.2. Lecture: 1.5. Lab: 3.

MEC 120 - Graphics I (1 credit)

Graphics I introduces manual drafting techniques and interpreting multiple object views. This course consists of 5 units along with corresponding labs and/or class activities. Topics covered include sketching and mechanical drafting techniques, multi-view drawings, scaling, and dimensioning.

Prerequisite: None. IAI Code: None. PCS Code: 1.2. Lecture: 0.5. Lab: 1.

MEC 121 - Graphics II (1 credit)

Graphics II is the second introductory course to SolidWorks CAD software. SolidWorks topics covered include foundational drawing commands and beginning 3-

D modeling, creating drawing views and templates, dimensioning, drawing standards, and file management. This course and Graphics III prepare the student for the SolidWorks Associate (CSWA) exam. This course requires many drawing projects to be completed.

Prerequisite: Successful completion of MEC-120 with a grade of C or higher. IAI Code: None. PCS Code: 1.2. Lecture: 0.5. Lab: 1.

MEC 122 - Graphics III (1 credit)

Graphics III is an introduction course to SolidWorks CAD software. SolidWorks topics covered include working with views, dimensioning, and assemblies. This course and Graphics II prepare the student for the SolidWorks Associate (CSWA) exam. This course requires many drawing projects to be completed.

Prerequisite: Successful completion of MEC-121 with a grade of C or higher. IAI Code: None. PCS Code: 1.2. Lecture: 0.5. Lab: 1.

MEC 123 - Graphics (3 credits)

Graphics is an introductory course to SolidWorks CAD software. Topics covered include sketching and mechanical drafting techniques, multi-view drawing, dimensioning, foundational drawing commands and beginning 3D modeling, creating drawing views and templates, dimensioning, drawing standards, file management, views, dimensioning and assembling. This course prepares students for the SolidWorks Associate (CSWA) exam. This course requires many projects to be completed.

Prerequisite: None. IAI Code: None. PCS Code: 1.2. Lecture: 1.5. Lab: 3.

MEC 130 - Robotics and Automation I (1 credit)

Robotics and Automation I will cover the history and development of robots, types of robots, and basic mechanics and motors of robots. This course is project-centered, and students will have a robot design and construction project.

Prerequisite: None. IAI Code: None. PCS Code: 1.2. Lecture: 0.5. Lab: 1.

MEC 131 - Robotics and Automation II (1 credit)

Robotics and Automation II introduces robot micro-controllers, sensors, robot programming, and industrial robots. This course is project centered and students will program and employ robots.

Prerequisite: Successful completion of MEC-130 with a grade of C or higher. IAI Code: None. PCS Code: 1.2. Lecture: 0.5. Lab: 1.

MEC 132 - Robotics and Automation III (1 credit)

Robotics and Automation III continues robot construction and programming skill development. This course is project centered and students will program and employ line-tracking and industrial robots.

Prerequisite: Successful completion of MEC-131 with a grade of C or higher. IAI Code: None. PCS Code: 1.2. Lecture: 0.5. Lab: 1.

MEC 133 - Robotics and Automation (3 credits)

Robotics and Automation covers the history and development of robots, types of robots, basic mechanics and motor robots, robot microcontrollers, sensors, robot programming, industrial robots, and robot construction and programming skill development. This course is project-centered, and students will have a robot design and construction project.

Prerequisite: None. IAI Code: None. PCS Code: 1.2. Lecture: 1.5. Lab: 3.

MEC 140 - Advanced Manufacturing I (1 credit)

Advanced Manufacturing I is the first course of a three course sequence introducing the basics of process control and automated manufacturing processes. This first course primarily covers fundamental topics in safety in manufacturing.

Prerequisite: None. IAI Code: None. PCS Code: 1.2. Lecture: 1. Lab: 0.

MEC 141 - Advanced Manufacturing II (1 credit)

Advanced Manufacturing II is the second course of a three-course sequence introducing the basics of process control and automated manufacturing process. This course provides an overview of the manufacturing process, manufacturing efficiency techniques, industrial supply chain systems, and total productive maintenance and quality improvement systems.

Prerequisite: Successful completion of MEC-140 with a grade of C or higher. IAI Code: None. PCS Code: 1.2. Lecture: 1. Lab: 0.

MEC 142 - Advanced Manufacturing III (1 credit)

Advanced Manufacturing III is the third in a series of courses on automated manufacturing processes. This

course begins with a study of simple machines and mechanical systems and then introduces students to electrical, motor, and fluid power systems. Troubleshooting and preventative maintenance will be explored.

Prerequisite: Successful completion of MEC-141 with a grade of C or higher. IAI Code: None. PCS Code: 1.2. Lecture: 1. Lab: 0.

MEC 143 - Advanced Manufacturing (3 credits)

Advanced Manufacturing introduces the basics of process control and automated manufacturing processes. Topics covered include safety in manufacturing, an overview of the manufacturing process, manufacturing efficiency techniques, industrial supply chain system, total productive maintenance and quality improvement systems, study of simple machines and mechanical systems and then introduces students to electrical, motor, and fluid power systems, and troubleshooting and preventative maintenance will be explored.

Prerequisite: None. IAI Code: None. PCS Code: 1.2. Lecture: 3. Lab: 0.

MEC 150 - Fundamentals of PLC I (1 credit)

Fundamentals of PLC I is the first course of a three course sequence introducing the basics of PLC, Programmable Language Control, devices for manufacturing control systems. This first course primarily covers safety, an overview of PLC devices and their programming.

Prerequisite: Successful completion of MEC-102 and MEC-112 with a grade of C or higher, and previous or concurrent enrollment in STU-103. IAI Code: None. PCS Code: 1.2. Lecture: 0.5. Lab: 1.

MEC 151 - Fundamentals of PLC II (1 credit)

Fundamentals of PLC II is the second course of a three course sequence introducing the basics of PLC, Programmable Language Control, devices for manufacturing control systems. This second course primarily covers logic used with PLC devices and their programming.

Prerequisite: Successful completion of MEC-150 with a grade of C or higher. IAI Code: None. PCS Code: 1.2. Lecture: 0.5. Lab: 1.

MEC 152 - Fundamentals of PLC III (1 credit)

Fundamentals of PLC III is the third course of a three course sequence introducing the basics of PLC, Programmable Language Control, devices for manufacturing control systems. This third course primarily focuses on PLC programming to control electric motor applications.

Prerequisite: Successful completion of MEC-151 with a grade of C or higher. IAI Code: None. PCS Code: 1.2. Lecture: 0.5. Lab: 1.

MEC 153 - Fundamentals of PLC (3 credits)

Fundamentals of PLC introduces the basics of PLC, Programmable Language Control, devices for manufacturing control systems. Topics include safety, an overview of PLC devices and their programming, logic used with PLC devices and their programming, and PLC programming to control electric motor applications.

Prerequisite: Successful completion of MTH-096S with a grade of C or higher placement, and MEC-103 and MEC-113 with a grade of C or higher or course equivalents. IAI Code: None. PCS Code: 1.2. Lecture: 1.5. Lab: 3.

MEC 160 - Applications of PLC I (1 credit)

Applications of PLC I is the first course of a three course sequence introducing intermediate skills of PLC, Programmable Language Control, devices for manufacturing control systems. This first course primarily covers fundamental topics of PLC device components, rules of operation, and programming instructions.

Prerequisite: Previous or concurrent enrollment in STU-103. IAI Code: None. PCS Code: 1.2. Lecture: 0.5. Lab: 1.

MEC 161 - Applications of PLC II (1 credit)

Applications of PLC II is the second course of a three course sequence introducing intermediate skills of PLC, Programmable Language Control, devices for manufacturing control systems. This second course primarily covers mathematical and sequencer and shift register instructions within PLC programming.

Prerequisite: Successful completion of MEC-160 with a grade of C or higher. IAI Code: None. PCS Code: 1.2. Lecture: 0.5. Lab: 1.

MEC 162 - Applications of PLC III (1 credit)

Applications of PLC III is the third course of a three course sequence introducing intermediate skills of PLC, Programmable Language Control, devices for manufacturing control systems. This third course primarily covers troubleshooting and introduces advanced control processes and systems with PLC devices.

Prerequisite: Successful completion of MEC-161 with a

grade of C or higher. IAI Code: None. PCS Code: 1.2. Lecture: 0.5. Lab: 1.

MEC 163 - Applications of PLC (3 credits)

Applications of PLC introduces application skills of PLC, Programmable Language Control, devices for manufacturing control systems. Topics include fundamental topics of PLC device components, rules of operation, programming instructions, mathematical and sequencer and shift register instructions within PLC programming, troubleshooting, and introduces advanced control processes and systems with PLC devices.

Prerequisite: Previous or concurrent enrollment in MEC-153. IAI Code: None. PCS Code: 1.2. Lecture: 1.5. Lab: 3.

MEC 170 - Pneumatics and Hydraulics I (1 credit)

Pneumatics and Hydraulics I is part of a three-course sequence of pneumatics and hydraulics, the study of fluid power technology using fluids or compressed air as the transfer media. Topics covered in this course include safety, introduction to the systems, properties of air and fluids, standards and symbols, and basic equations related to pneumatics and hydraulics.

Prerequisite: Successful completion of MEC-102 and MEC-112 with a grade of C or higher, and previous or concurrent enrollment in STU-103. IAI Code: None. PCS Code: 1.2. Lecture: 0.5. Lab: 1.

MEC 171 - Pneumatics and Hydraulics II (1 credit)

Pneumatics and Hydraulics II is part of a three-course sequence of pneumatics and hydraulics, the study of fluid power technology using fluids or compressed air as the transfer media. Topics covered within this course include hydraulic fluid types and maintenance, fluid pumps and air compressors, fluid storage and distribution, actuators and accumulators.

Prerequisite: Successful completion of MEC-170 with a grade of C or higher. IAI Code: None. PCS Code: 1.2. Lecture: 0.5. Lab: 1.

MEC 172 - Pneumatics and Hydraulics III (1 credit)

Pneumatics and Hydraulics III is part of a three-course sequence of pneumatics and hydraulics, the study of fluid power technology using fluids or compressed air as the transfer media. This course is about the equipment and methods for controlling pressure, direction, and flow within pneumatic and hydraulic circuits.

Prerequisite: Successful completion of MEC-171 with a grade of C or higher. IAI Code: None. PCS Code: 1.2. Lecture: 0.5. Lab: 1.

MEC 173 - Pneumatics and Hydraulics (3 credits)

Pneumatics and Hydraulics is the study of fluid power technology using fluids or compressed air as the transfer media. Topics covered in this course include safety, introduction to the systems, properties of air and fluids, standards and symbols, basic equations related to pneumatics and hydraulics, hydraulic fluid types and maintenance, fluid pumps and air compressors, fluid storage and distribution, actuators and accumulators, and the equipment ad methods for controlling pressure, direction, and flow within pneumatic and hydraulic circuits.

Prerequisite: Successful completion of MTH-096S with a grade of C or higher placement, and MEC-103 and MEC-113 with a grade of C or higher. IAI Code: None. PCS Code: 1.2. Lecture: 1.5. Lab: 3.

MEC 180 - Industrial Robots I (1 credit)

Industrial Robot I is part of a three-course sequence designed to study the working of mechanical manipulators in a safe manner and the uses of industrial robots in manufacturing. Topics covered include components, programming languages and programming methods, power supplies and movement systems, and industrial applications.

Prerequisite: Successful completion of MEC-102 and MEC-112 with a grade of C or higher, and previous or concurrent enrollment in STU-103. IAI Code: None. PCS Code: 1.2. Lecture: 0.5. Lab: 1.

MEC 181 - Industrial Robots II (1 credit)

Industrial Robot II is part of a three-course sequence designed to study the working of mechanical manipulators in a safe manner and the uses of industrial robots in manufacturing. Topics covered include power supplies and movement systems, fluid power supplies, sensors, end effector movement and changeable end effector movement.

Prerequisite: Successful completion of MEC-180 with a grade of C or higher. IAI Code: None. PCS Code: 1.2. Lecture: 0.5. Lab: 1.

MEC 182 - Industrial Robots III (1 credit)

Industrial Robot III is part of a three-course sequence designed to study the working of mechanical manipulators in a safe manner and the uses of industrial robots in

manufacturing. Topics covered include computer systems and digital electronics, interfacing and vision systems, maintenance, and the current and future uses of industrial robots in manufacturing.

Prerequisite: Successful completion of MEC-181 with a grade of C or higher. IAI Code: None. PCS Code: 1.2. Lecture: 0.5. Lab: 1.

MEC 183 - Industrial Robots (3 credits)

Industrial Robots studies the working of mechanical manipulators in a safe manner and the uses of industrial robots in manufacturing. Topics covered include components, programming languages and programming methods, power supplies and movement systems, industrial applications, fluid power supplies, sensors, end effector movement, changeable end effector movement, computer systems and digital electronics, interfacing and vision systems, maintenance, and the current and future uses of industrial robots in manufacturing.

Prerequisite: Successful completion of MTH-096S with a grade of C or higher placement, and MEC-103, MEC-113, and MEC-133 with a grade of C or higher. IAI Code: None. PCS Code: 1.2. Lecture: 1.5. Lab: 3.

MEC 193 - Mechatronics Capstone (3 credits)

Mechatronics Capstone is a project-based experience that allows the student to apply basic and advanced principles covered in other courses. Students will work individually or in teams to select a project with the consent of the faculty advisor. Project schedule management is emphasized. Students will develop project parameters and specifications, and a budget will be established. Approaches will be identified to verify the specifications have been met by the design.

Prerequisite: Successful completion of, or concurrent enrollment in MEC-152, MEC-162, MEC-172, and MEC-182 or their equivalent. IAI Code: None. PCS Code: 1.2. Lecture: 2. Lab: 2.

MET-Manufacturing Engineering Technology

MET 100 - Introductory CAD and Print Reading (3 credits)

Introductory CAD and Print Reading is designed for the student without recent high school or industrial drafting experience. The basic concepts required to create and interpret industrial drawings is presented and practiced. This course provides fundamental print reading principles with emphasis on dimensions and tolerances, shape description, machine operations, notes, symbols, and other pertinent data.

Prerequisite: None. IAI Code: None. PCS Code: 1.2. Lecture: 2. Lab: 2.

MET 102 - Methods of Statistical Process Control (SPC) (3 credits)

Methods of Statistical Process Control (SPC) presents basic statistical concepts, quality tools, common probability distributions, problem solving techniques, control charts for variable and attribute data, interpretation, Gage R&R, process capability analysis, and acceptance sampling. Instruction and lab exercises integrate management strategies, data planning, cross-functional project teams, and requirements of modern quality standards that lead to successful application of SPC.

Prerequisite: Successful completion of MTH-100, MTH-125, or MTH-132. IAI Code: None. PCS Code: 1.2. Lecture: 2. Lab: 2.

MET 105 - Materials and Processes (3 credits)

Materials and Processes introduces material properties and attributes of metals, plastics, ceramics, composites, and other materials. Survey of processes includes heat treatment, surface processing, particulate processing, casting, molding, forming, joining, material removal and other processing technologies. Theory is illustrated by laboratory experiments and demonstrations along with company visits to view the latest techniques.

Prerequisite: Successful completion of MTH-094 or MTH-096S with a grade of C or higher. IAI Code: None. PCS Code: 1.2. Lecture: 2. Lab: 2.

MET 106 - Metrology (3 credits)

Metrology introduces the science of measurement for engineering technicians, machinists, and technical personnel through basic measurement principles, selection, operation, and application of English and Metric measuring instruments. Lecture and lab exercises cover basic dimensional gauging and instruments, high-amplification comparators, surface plate, angular instruments, sine bar, pneumatic gauging, and advanced systems. Related topics introduce data analysis, variable versus attribute, MSA, calibration systems, and modern standards for quality systems and metrology.

Prerequisite: Successful completion of MTH-094 or MTH-096S with a grade of C or higher. IAI Code: None. PCS Code: 1.2. Lecture: 2. Lab: 2.

MET 108 - Computer Drafting Using AutoCAD (3 credits)

Computer Drafting Using AutoCAD introduces computer graphic concepts, hardware, software, and operating principles of a comprehensive PC based computer graphics system. The student will use AutoCAD software for all course projects. The latest ANSI/ASME standards will be incorporated throughout the course. Lecture and laboratory projects emphasize drafting principles and techniques necessary to produce multi-view, auxiliary, and section drawings with appropriate dimensioning practices.

Prerequisite: Successful completion of MET-100 with a grade of C or higher, or instructor consent. IAI Code: None. PCS Code: 1.2. Lecture: 2. Lab: 2.

MET 110 - Manufacturing Processes I (3 credits)

Manufacturing Processes I provides an introduction to machining processes including milling, turning, grinding, drilling, and cutoff operations. Laboratory activities include the fundamentals of machine setup and operations, tooling, precision measurement, process safety, care and maintenance. This course is offered at a regional training center in partnership with Rock Valley College.

Prerequisite: Previous or concurrent enrollment in MET-100, or instructor consent. IAI Code: None. PCS Code: 1.2. Lecture: 2. Lab: 2.

MET 111 - CNC Machine Setup/Operation/Programming (3 credits)

CNC Machine Setup/Operation/Programming studies the setup and operation of computer numerical control (CNC) machine tools. The course is designed to provide knowledge on the latest CNC machines using an online training environment and lab session including turning centers and machining. Exercise and laboratory projects emphasize practical problems, demonstrations, and student operation of CNC equipment.

Prerequisite: Successful completion of MTH-094 or MTH-096S, and MET-100, MET-106 and MET-110. IAI Code: None. PCS Code: 1.2. Lecture: 2. Lab: 2.

MET 118 - Intermediate AutoCAD - Production Drafting (3 credits)

Intermediate AutoCAD - Production Drafting extends and builds upon current drafting practices for AutoCAD users. Emphasis is placed on the identification and familiarization of techniques that enhance CAD productivity and the production of industrial drawings. This course is intended for students completing a CAD certificate program and not required for an A.A.S. degree program.

Prerequisite: Completion of MET-108 with a passing grade. IAI Code: None. PCS Code: 1.2. Lecture: 2. Lab: 2.

MET 133 - Graphics/SolidWorks CAD I (3 credits)

Graphics/SolidWorks CAD I introduces computer graphics concepts, hardware, software, and operating principles of a computer graphics system. The student will use SolidWorks software for all course projects. The latest ANSI/ASME standards will be incorporated throughout the course. Lecture and laboratory projects emphasize design principles and techniques necessary to produce solid models, assemblies, and multi-view drawings.

Prerequisite: Successful completion of MTH-094 or MTH-096S, and MET-100 with a grade of C or higher. IAI Code: None. PCS Code: 1.2. Lecture: 2. Lab: 2.

MET 146 - Hydraulics, Pneumatics and PLCs (3 credits)

Hydraulics and Pneumatics introduces the basic concepts of fluid power technology including the function of hydraulic and pneumatic components. Emphasis is placed upon the delineation of basic hydraulic and pneumatic circuits. Basic operations and programming of PLCs is also presented.

Prerequisite: Successful completion of MTH-100, MTH-125, or MTH-132 with a grade of C or higher. IAI Code: None. PCS Code: 1.2. Lecture: 2. Lab: 2.

MET 162 - Applied Physics (4 credits)

Applied Physics is a survey class that uses fundamentals of mathematics, measurements, and problem solving to explore various topics in physics. Areas of study include mechanics, matter and heat, wave motion and sound, electricity and magnetism, and light. Concepts are reinforced through lab activities.

Prerequisite: Previous or concurrent enrollment in MTH-100, MTH-125, or MTH-132. IAI Code: None. PCS Code: 1.2. Lecture: 3. Lab: 2.

MET 217 - Applied Statics (3 credits)

Statics is an analysis of two-dimensional force systems. Topics include basic concepts, force vectors, particle and rigid body equilibrium, distributed forces, analysis of structures, friction, centroid, and moments of inertia.

Prerequisite: Successful completion of MTH-100, MTH-125 or MTH-132. Previous or concurrent enrollment in

MET-162. IAI Code: None. PCS Code: 1.2. Lecture: 3. Lab: 0.

MET 218 - Strength of Materials (3 credits)

Strength of Materials is an analysis of the relationship between external forces and the stresses and deformations they produce in a deformable body. Topics include tension, compression, shear, torsion, bending, and buckling.

Prerequisite: Successful completion of MET-162 and MET-217 with a grade C or higher. IAI Code: None. PCS Code: 1.2. Lecture: 3. Lab: 0.

MET 220 - Mechanisms (3 credits)

Mechanisms present the study of motion characteristics and the application of mechanism design to provide desired motions. In the study of motion, absolute and relative position, velocity, and acceleration are presented. Cam layout as well as the nomenclature and kinematics of gearing are also presented. Computer-aided design systems will be incorporated where applicable.

Prerequisite: Successful completion of MTH-100, MTH-125 or MTH-132 with a grade of C or higher. IAI Code: None. PCS Code: 1.2. Lecture: 3. Lab: 0.

MET 221 - Machine Design (3 credits)

Machine Design explores factors that influence materials and application of particular machine elements in their environment. Attention is given to various loading conditions, stresses, and deformations, which must be considered in arriving at a satisfactory design. Elements include: gears, power screws, fasteners, bolted joints, springs, and environmental considerations. Computer-aided design systems will be incorporated where applicable.

Prerequisite: Successful completion of MET-217 with a grade of C or higher. Previous or concurrent enrollment in MET-218. Corequisite: Concurrent enrollment in MET-218. IAI Code: None. PCS Code: 1.2. Lecture: 3. Lab: 0.

MET 226 - CNC/CAM Operations I (3 credits)

CNC/CAM Operations I teaches the concepts of Computer Numerical Control for machine tools, tooling, software and operating principles of CNC systems. Students develop part programs using current, industrial CAM software for program generation, editing and tool path verification. Post-processing and G-M code verification is presented for specific machine tools.

Prerequisite: Completion of MET-100 with a passing grade. IAI Code: None. PCS Code: 1.2. Lecture: 2. Lab: 2.

MET 233 - Graphics/SolidWorks CAD II (3 credits)

Graphics/SolidWorks CAD II requires a comprehensive background with SolidWorks software and current drafting practices. Lecture and laboratory projects include: surface, solid modeling, parametrics, and assemblies. Rapid prototyping techniques will be introduced. Emphasis is placed on the techniques used to maximize design and drawing productivity.

Prerequisite: Successful completion of MET-133 or EGR-135 with a grade of C or higher, or instructor consent. IAI Code: None. PCS Code: 1.2. Lecture: 2. Lab: 2.

MET 237 - Design of Experiments (4 credits)

Design of Experiments presents the best of Taguchi and Western experimental design techniques for process quality improvement. Students learn the sequential approach, effective setup, quality tools, statistical and graphical analysis, and reporting of DOE. Lecture and lab exercises make extensive use of practical case studies to apply simple response tables, graphical techniques, and computer analysis for process optimization.

Prerequisite: Completion of MET-102 and MET-106 with a passing grade. IAI Code: None. PCS Code: 1.2. Lecture: 3. Lab: 2.

MET 240 - CNC/CAM Operations II (3 credits)

CNC/CAM Operations II is a second course that provides the student with a background in CNC programming using CAM software. Emphasis is placed on the identification and familiarization of techniques that enhance CAM productivity and the production of CNC programs. Students develop part programs using software for program generation, editing and simulation of tool paths.

Prerequisite: Successful completion of MET-226 with a grade of C or higher. IAI Code: None. PCS Code: 1.2. Lecture: 2. Lab: 2.

MET 243 - Continuous Improvement in Manufacturing (3 credits)

Continuous Improvement in Manufacturing is designed to bring lean manufacturing techniques and training that are changing the world of manufacturing into the classroom. Emphasis is placed on continuous improvement, waste elimination, customer focus, and elements of lean production.

Prerequisite: Successful completion of MTH-094 or MTH-096S with a grade of C or higher. IAI Code: None. PCS

Code: 1.2. Lecture: 3. Lab: 0.

MET 247 - Manufacture Methods, Process Planning, and Systems (3 credits)

Manufacturing Methods, Process Planning and Systems studies the techniques, equipment and systems for successful manufacturing production. Students learn to plan an operation sequence, determine tooling requirements, develop physical supply, operation planning and control and physical distribution. Lecture and case studies involving management issues will engage the principles and practices of various techniques and methods including: Just-in-Time (JIT), Total Quality Management (TQM) Computer Integrated Manufacturing (CIM) and Flexible Manufacturing Systems (FMS).

Prerequisite: Successful completion of MTH-094 or MTH-096S with a grade of C or higher. IAI Code: None. PCS Code: 1.2. Lecture: 3. Lab: 0.

MET 249 - MET Capstone Project (3 credits)

MET Capstone Project is a capstone course emphasizing the solving of technical programs, using a multidisciplinary engineering technology approach. The instructor or student may propose an area of investigation. Successful solutions will require that the student use an interactive method using varying degrees of analysis, syntheses, and evaluation. Information, such as vendor catalogs, manuals and library references will be used. The project findings will be presented by the student in both oral and written form.

Prerequisite: Successful completion of SPH-131, MET-133, MET-162, MET-217 with a grade of C or higher. This course is intended to be taken the final semester prior to graduation. IAI Code: None. PCS Code: 1.2. Lecture: 2. Lab: 2.

MGT-Management

MGT 170 - Business Communications (3 credits)

Business Communications covers the current trends affecting business communication today. Students will demonstrate both verbal and nonverbal skills through a variety of professional documents such as letters, memos, email and reports. Special emphasis is placed on good news, bad news, and persuasive messages using the psychological approach to writing.

Prerequisite: Successful completion of ENG-101 with a grade of C or higher, or instructor consent. IAI Code: None. PCS Code: 1.2. Lecture: 3. Lab: 0.

MGT 270 - Principles of Management (3 credits)

Principles of Management introduces the concepts of planning, organizing, leading, and controlling. Topics include the organization triangle, organizational design, strategic planning, managing human resources, decision making, communication, quality, change and conflict management, and ethics. These management principles apply to all types of organizations.

Prerequisite: Successful completion of BUS-101 or instructor consent. IAI Code: None. PCS Code: 1.2. Lecture: 3. Lab: 0.

MGT 271 - Human Resource Management (3 credits)

Human Resource Management is a study of the basic principles and procedures of personnel administration. Application of management fundamentals to the personnel function - recruitment, selection, training and development, motivation, compensation, and retirement. Various personnel techniques will be stressed.

Prerequisite: Successful completion of BUS-101 or instructor consent. IAI Code: None. PCS Code: 1.2. Lecture: 3. Lab: 0.

MGT 274 - Leadership (3 credits)

Students experience theoretical and practical applications of leadership research and development. Using the case study method, students comparatively analyze individual and organizational leadership activities with various leadership theories. Students synthesize findings with current real world activities developing a personal leadership vision. The course builds on business fundamentals while discussing the differences between leadership and management in the modern world. Students will gain a deeper insight into the phenomenon of leadership while developing the personal leadership vision that will provide guidance for present and future career opportunities.

Prerequisite: None. IAI Code: None. PCS Code: 1.2. Lecture: 3. Lab: 0.

MGT 281 - Women in Management (3 credits)

Women in Management provides both practical and theoretical materials to help women who aspire to managerial careers. Discussions center on special issues facing women in management. This course is designed for women wanting to move into management, male and female management students and business people seeking to continue or update their education.

Prerequisite: None. IAI Code: None. PCS Code: 1.2. Lecture: 3. Lab: 0.

MGT 282 - Independent Study in Management (1-3 credits)

Independent Study in Management allows the student to conduct research in specialized management areas. The course requirements will be developed based on the nature of the subject and the students goals and objectives. Consent of the coordinator is required.

Prerequisite: Completion of 30 semester hours of credit in the business management curriculum at Rock Valley College. A maximum of 3 hours credit can be earned in this course. IAI Code: None. PCS Code: 1.2. Lecture: 1-3. Lab: 0.

MGT 283 - Internship in Business Management (6 credits)

Internship in Business Management provides a supervised occupational experience in management. A training plan will be developed by the coordinator in cooperation with the student and the participating business. Consent of the instructor is required.

Prerequisite: Completion of 30 semester hours of credit in the business curriculum. IAI Code: None. PCS Code: 1.2. Lecture: 0. Lab: 30.

MKT-Marketing

MKT 260 - Principles of Marketing (3 credits)

Principles of Marketing presents a basic understanding of the principles of marketing and of the operation of our marketing system. Topics include buying motives, habits, and demands of consumers, channels of distribution, marketing functions and policies, marketing costs, and marketing and governmental relationships.

Prerequisite: None. IAI Code: None. PCS Code: 1.1. Lecture: 3. Lab: 0.

MKT 265 - Salesmanship (3 credits)

Salesmanship is the study of personal selling as a part of the marketing process. Consumer behavior, persuasion, the importance of a positive attitude, careers in sales, the sales process, and specific sales techniques are discussed. Optional video-taped presentations and sales projects provide the student with a means of evaluating and improving sales performance.

Prerequisite: Completion of MKT-260 with a passing grade or instructor consent. IAI Code: None. PCS Code: 1.2. Lecture: 3. Lab: 0.

MKT 266 - Principles of Advertising (3 credits)

Principles of Advertising is an introduction to advertising. Topics covered include: why advertising is carried on, how to prepare and present purposeful advertisements, review of the various advertising media, as well as when and how to use each to greatest advantage.

Prerequisite: Completion of MKT-260 or instructor consent. IAI Code: None. PCS Code: 1.2. Lecture: 3. Lab: 0.

MKT 281 - International Marketing (3 credits)

International Marketing allows students to gain a broad understanding of the field of international marketing. The course provides insight into how international marketing is conducted, the requisites for effective performance and a knowledge of the special problems involved in language, finance and customs. The course will help students understand international marketing opportunities and how marketing principles and procedures apply to international business.

Prerequisite: None. IAI Code: None. PCS Code: 1.2. Lecture: 3. Lab: 0.

MKT 288 - Customer Relations (3 credits)

Customer Relations is a study of principles and methods to keep customers once you have developed them. Today, it costs five times as much to get a new customer as it does to keep an old one. Discussion is held on a practical level. Topics include customer expectations, staff training and management, maintaining good customer relations, turning service opportunities into sales, and changing complaints into orders.

Prerequisite: None. IAI Code: None. PCS Code: 1.2. Lecture: 3. Lab: 0.

MKT 293 - Internship - Marketing (1-3 credits)

Internship - Marketing requires the student to work part-time as a marketing intern in a local cooperating business firm. This experience will be supervised by the coordinator of marketing programs. Consent of the Dean is required.

Prerequisite: At least 6 credits in Marketing, previously taken, or concurrently. This course is repeatable three times. IAI Code: None. PCS Code: 1.2. Lecture: 0. Lab: 5-15.

MKT 295 - Independent Study in Marketing (1-3 credits)

Independent Study in Marketing allows the student to conduct research in special marketing related areas based on student goals and objectives. Consent of the coordinator or marketing director of the Business Division is required.

Prerequisite: Enrollment in one of the marketing curriculums. A repeat of this course up to 6 credits is permissible. IAI Code: None. PCS Code: 1.2. Lecture: 1-3. Lab: 0.

MTH-Mathematics

MTH 093 - Intermediate Algebra Part I (2 credits)

Intermediate Algebra Part I includes a review of factoring from beginning algebra. The course will also cover rational expressions and equations, linear equations, and an introduction to functions. This course uses online homework. Placement into MTH-093 is according to placement test scores or on a voluntary basis. Credit earned does not count toward any degree, nor does it transfer.

Prerequisite: Successful completion of MTH-091 and MTH-092 or equivalent with a grade of C or higher in both, or appropriate math placement score. IAI Code: None. PCS Code: 1.4. Lecture: 2. Lab: 0.

MTH 094 - Intermediate Algebra Part II (2 credits)

Intermediate Algebra Part II covers systems of equations, radicals, and quadratic equations. This course uses online homework. Credit earned does not count toward any degree, nor does it transfer.

Prerequisite: Successful completion of MTH-093 with a grade of C or higher. IAI Code: None. PCS Code: 1.4. Lecture: 2. Lab: 0.

MTH 096A - Math Literacy for College Students (5 credits)

Mathematical Literacy for College Students is a one-semester course for non-math and non-science majors integrating numeracy, proportional reasoning, algebraic reasoning, and functions. Students will develop conceptual and procedural tools that support the use of key mathematical concepts in a variety of contexts. Throughout the course, college success content will be integrated with mathematical topics. This course uses online homework. Credit earned does not count toward any degree, nor does it transfer, though record of successful completion of this course might transfer to other Illinois community colleges as qualification for placement into an appropriate college-level math course. Upon successful completion of the course, students may take MTH-115P, MTH-220P, or MTH-096S.

Prerequisite: Appropriate college placement measures. IAI Code: None. PCS Code: 1.4. Lecture: 5. Lab: 0.

MTH 096S - Combined Beginning and Intermediate Algebra (5 credits)

MTH-096S is intended for students pursuing majors in the fields of science, technology, engineering, math, or elementary education. Combined Beginning and Intermediate Algebra is a one semester course covering both beginning and intermediate algebra. The topics included are real number operations and properties, linear equations and inequalities, graphing linear equations and inequalities, systems of linear equations and inequalities, functions, exponents, polynomials, factoring, rational expressions, radical expressions, and solving quadratic equations. This course uses online homework. Credit earned does not count toward any degree though record of successful completion of this course might transfer to other Illinois community colleges as qualification for placement into an appropriate college-level math course.

Prerequisite: Appropriate college placement measures. IAI Code: None. PCS Code: 1.4. Lecture: 5. Lab: 0.

MTH 100 - Technical Mathematics (5 credits)

Technical Mathematics is primarily for technology students. It is designed for students with a good algebraic preparation and includes basic study and applications of trigonometry. The course includes a study of exponents, radicals, and logarithms. A graphing calculator is required for this course.

Prerequisite: Appropriate college placement measures. IAI Code: None. PCS Code: 1.2. Lecture: 5. Lab: 0.

MTH 115 - General Education Mathematics (3 credits)

General Education Mathematics focuses on mathematical reasoning and the solving of real-life problems, rather than on routine skills. Three or four topics are studied in depth, with at least 3 chosen from the following list: geometry, counting techniques and probability, graph theory, logic/set theory, mathematics of finance, and statistics. The use of calculators and computers is strongly encouraged.

Prerequisite: Appropriate college placement measures. IAI Code: M1 904. PCS Code: 1.1. Lecture: 3. Lab: 0.

MTH 115P - General Education Mathematics Plus Support (4 credits)

General Education Mathematics Plus Support covers the content of MTH-115 with additional class time spent on the course content and integrated review of prerequisite skills. The course focuses on mathematical reasoning and the solving of real-life problems, rather than on routine skills. Three or four topics are studied in depth, with at least 3 chosen from the following list: geometry, counting techniques and probability, graph theory, logic/set theory, mathematics of finance, and statistics. Instruction on problem-solving, critical thinking, and other prerequisite skills needed for the chosen topics will be included. The use of calculators and computers is strongly encouraged.

Prerequisite: Successful completion of MTH-096A or equivalent with a grade of C or higher, or placement by appropriate high school GPA or placement test score. IAI Code: M1 904 (Pending). PCS Code: 1.1. Lecture: 4. Lab: 0.

MTH 120 - College Algebra (3 credits)

College Algebra includes a brief review of intermediate algebra covering the overlapping material at a deeper level. The course develops the concept of a function and its graph, the theory of equations, and exponential and logarithmic functions and their applications. The course will also cover systems of equations and matrices. A graphing calculator is required for this course.

Prerequisite: Placement by appropriate high school GPA, SAT/ACT score, or placement test score. IAI Code: None. PCS Code: 1.1. Lecture: 3. Lab: 0.

MTH 120P - College Algebra Plus Review (4 credits)

College Algebra Plus Review covers the content of MTH-120 with additional class time for review of intermediate algebra topics. The course develops the concept of a function and its graph, the theory of equations, and exponential and logarithmic functions and their applications. The course will also cover systems of equations and matrices. A graphing calculator is required for this course.

Prerequisite: Successful completion of MTH-096S or equivalent with a grade of C or higher, or placement by appropriate high school GPA or placement test score. IAI Code: None. PCS Code: 1.1. Lecture: 4. Lab: 0.

MTH 125 - Plane Trigonometry (3 credits)

Plane Trigonometry is a study of trigonometric functions of acute and general angles, inverse functions, graphs, radian measure, trigonometric identities and equations, solutions of right and oblique triangles, powers and roots of complex numbers, and may include analytic geometry. A graphing calculator is required for this course.

Prerequisite: Successful completion of MTH-120 or MTH-120P with a grade of C or higher. IAI Code: None. PCS Code: 1.1. Lecture: 3. Lab: 0.

MTH 132 - College Algebra and Trigonometry (5 credits)

College Algebra & Trigonometry is intended for students preparing for MTH-135 and it covers the material of MTH-120 and MTH-125 at a more rapid pace than those individual courses. Among the topics covered in this course are functions and graphs, including linear, polynomial, rational, exponential, and logarithmic functions; complex numbers and theory of equations; trigonometric functions, their basic properties and graphs; identities; inverse trigonometric functions; trigonometric equations; Law of Sines, Law of Cosines; systems of linear equations and the matrix methods useful in solving those systems; and conics. Students may not earn more than six credits for any combination of MTH-120, MTH-125, and MTH-132. A graphing calculator is required for this course.

Prerequisite: Placement by appropriate high school GPA, SAT/ACT score, or placement test score. IAI Code: None. PCS Code: 1.1. Lecture: 5. Lab: 0.

MTH 135 - Calculus with Analytic Geometry I (5 credits)

Calculus with Analytic Geometry I is a first course in calculus. Topics included are: a review of functions, trigonometric functions, inverse functions, and exponential/logarithmic functions; limits, continuity, derivatives, applications of derivatives, and integrals. A graphing calculator is required for this course.

Prerequisite: Successful completion of MTH-120 (or MTH-120P) and MTH-125, or MTH-132 with a grade of C or higher. IAI Code: M1 900, MTH 901. PCS Code: 1.1. Lecture: 5. Lab: 0.

MTH 160 - Topics from Finite Mathematics (3 credits)

Topics from Finite Mathematics is for students majoring in computer and information systems, business, or the social sciences. Topics include simultaneous equations, matrices, linear programming, mathematics of finance, sets, probability and statistics. This course is not intended to

apply toward a major or minor in mathematics. A graphing calculator is required for this course.

Prerequisite: Successful completion of MTH-120 with a grade of C or higher. IAI Code: M1 906. PCS Code: 1.1. Lecture: 3. Lab: 0.

MTH 164 - The Computer in Mathematics C/C++ (4 credits)

The Computer in Mathematics C/C++ is a problem-oriented approach using the computer in the study of mathematics. Programs will be written and run to aid understanding of such topics as infinite series, logical relations, approximations, interpolation, graphing, and matrices. Problem formulation, algorithm development, and aspects of program testing and debugging will be discussed.

Prerequisite: Successful completion of MTH-135 with a grade of C or higher. IAI Code: None. PCS Code: 1.1. Lecture: 4. Lab: 0.

MTH 211 - Calculus for Business and Social Science (4 credits)

Calculus for Business and the Social Sciences covers basic concepts of differential and integral calculus with applications in business and social sciences. Topics include differentiation techniques, applications of the derivative, integration techniques, and applications of integration. This course is not intended to apply toward a major or a minor in mathematics. A graphing calculator is required for this course.

Prerequisite: Successful completion of MTH-120 or MTH-120P with a grade of C or higher. IAI Code: M1 900-B. PCS Code: 1.1. Lecture: 4. Lab: 0.

MTH 216 - Mathematics for Elementary Teachers I (3 credits)

Mathematics for Elementary Teachers I is for students intending to major in elementary education. This course includes mathematical reasoning and problem solving using manipulatives and calculators. Topics include sets, numeration systems, whole numbers, number theory, integers, rational numbers, and the real number system.

Prerequisite: Successful completion of MTH-096S with grades of C or higher, or appropriate college placement measures. IAI Code: None. PCS Code: 1.1. Lecture: 3. Lab: 0.

MTH 217 - Mathematics for Elementary Teachers II (3 credits)

Mathematics for Elementary Teachers II is for students intending to major in elementary education. The course includes mathematical reasoning and problem solving using manipulatives and calculators. Topics include statistics, probability, basic geometric shapes and their properties, measurement, triangle congruence and similarity, coordinate geometry, and transformational geometry.

Prerequisite: Successful completion of MTH-216 with a grade of C or higher. IAI Code: M1 903. PCS Code: 1.1. Lecture: 3. Lab: 0.

MTH 220 - Elements of Statistics (3 credits)

Elements of Statistics is intended primarily for students enrolled in life science or social science, or others interested in elementary statistics. This course uses the graphing calculator or software extensively instead of hand calculations to allow emphasis on interpretation and evaluation of statistical results. Topics included are data collection, graphical representation of data, measures of central tendency and variability, correlation and regression, probability, binomial and normal distributions, confidence intervals and hypothesis testing. This course is not intended to apply toward a major or minor in mathematics. A TI-83 or TI-84 graphing calculator is required for this course.

Prerequisite: Placement by appropriate high school GPA, SAT/ACT score, or placement test score. IAI Code: M1 902. PCS Code: 1.1. Lecture: 3. Lab: 0.

MTH 220P - Elements of Statistics Plus Support (4 credits)

Elements of Statistics Plus Support covers the content of MTH-220 with additional class time spent on the course content and integrated review of prerequisite skills. This course is intended primarily for students enrolled in life science or social science, or others interested in elementary statistics. This course uses the graphing calculator or software extensively instead of hand calculations to allow emphasis on interpretation and evaluation of statistical results. Topics included are data collection, graphical representation of data, measures of central tendency and variability, correlation and regression, probability, binomial and normal distributions, confidence intervals and hypothesis testing. This course is not intended to apply toward a major or minor in mathematics. A TI-83 or TI-84 graphing calculator is required for this course.

Prerequisite: MTH 096A or equivalent with a grade of C or higher, or placement by appropriate high school GPA or placement test score. IAI Code: M1 902. PCS Code: 1.1. Lecture: 4. Lab: 0.

MTH 235 - Calculus with Analytic Geometry II (4 credits)

Calculus with Analytic Geometry II is a continuation of MTH-135. Topics included are applications of the definite integral, techniques of integration, conic sections, parametric equations, polar coordinates, infinite series, and Taylor series. A graphing calculator is required for this course.

Prerequisite: Successful completion of MTH-135 with a grade of C or higher. IAI Code: M1 900, MTH 902. PCS Code: 1.1. Lecture: 4. Lab: 0.

MTH 236 - Calculus with Analytic Geometry III (4 credits)

Calculus with Analytic Geometry III is a continuation of MTH-235. Topics included are analytic geometry of three-dimensions, vectors, partial derivatives, multiple integrals, and vector calculus. A graphing calculator is required for this course.

Prerequisite: Successful completion of MTH-235 with a grade of C or higher. IAI Code: M1 900, MTH 903. PCS Code: 1.1. Lecture: 4. Lab: 0.

MTH 240 - Differential Equations (3 credits)

Differential Equations is a course in the formulation, solution, and application of first- and simple higher-order differential equations. Topics included are first- and second-order ordinary differential equation with applications; simultaneous differential equations with applications; solution of differential equations by varied techniques, including Laplace transforms, numeric and/or series methods. Other optional topics include special functions and boundary value problems. A graphing calculator is required for this course.

Prerequisite: Previous or concurrent enrollment in MTH-236. IAI Code: MTH 912. PCS Code: 1.1. Lecture: 3. Lab: 0.

MTH 250 - Modern Linear Algebra (4 credits)

Modern Linear Algebra is a study of elementary topics of linear algebra which include: matrix algebra and inversion; solving systems of linear equations; determinants; vector spaces, linear dependence, basis and dimension, subspaces; inner product spaces and orthogonality; linear transformations (including matrices); eigenvalues and eigenvectors. An emphasis will be put on formal methods of mathematical proof throughout the course. (Offered fall semester)

Prerequisite: Previous or concurrent enrollment in MTH-236. IAI Code: MTH 911. PCS Code: 1.1. Lecture: 4. Lab: 0.

MUS-Music

MUS 101 - Fundamentals of Music (3 credits)

Fundamentals of Music is a study of the basic principles (elements of music including pitch, notation, scales, key signatures and intervals) for students with little or no previous music experience.

Prerequisite: None. IAI Code: None. PCS Code: 1.1. Lecture: 3. Lab: 0.

MUS 102 - Introduction to Music Literature (3 credits)

Introduction to Music Literature is designed to foster understanding and appreciation of the masterpieces of musical literature through a survey of standard concert repertory and its historical development. This is a non-technical course for students who are not concentrating in music.

Prerequisite: None. IAI Code: F1 900. PCS Code: 1.1. Lecture: 3. Lab: 0.

MUS 104 - Introduction to American Music (3 credits)

Introduction to American Music is a survey of twentieth century American music with some attention given to historical developments that brought about this music. Serious, jazz, musical theater and popular styles will be discussed. Listening to representative examples will be an important part of the class. This is a non-technical course for students who are not concentrating in music.

Prerequisite: None. IAI Code: F1 904. PCS Code: 1.1. Lecture: 3. Lab: 0.

MUS 106 - Introduction to Non-Western Music (3 credits)

Introduction to Non-Western Music is a survey of music from Asia, the Middle East, Africa, South American, the Caribbean and Central America. Emphasis will be placed on exploring the cultural, social, religious and historical backgrounds that shaped the music of these regions.

Musical instruments from these areas will also be examined. This is a non-technical course for students who are not concentrating in music.

Prerequisite: None. IAI Code: F1 903N. PCS Code: 1.1. Lecture: 3. Lab: 0.

MUS 131 - Class Piano I (2 credits)

Class Piano I is for those who need or desire basic keyboard skills. This course covers basic keyboarding skills through basic compositions and explores the concepts of intervals, keys, scales, and triads.

Prerequisite: None. IAI Code: MUS 901. PCS Code: 1.1. Lecture: 2. Lab: 1.

MUS 132 - Class Piano II (2 credits)

Class Piano II is a continuation of MUS-131.

Prerequisite: Completion of MUS-131 with a passing grade. IAI Code: MUS 902. PCS Code: 1.1. Lecture: 1. Lab: 2.

MUS 191 - Chorus I (1 credit)

Chorus I is open to students who wish to sing standard and contemporary choral literature. Chorus members are expected to perform at concerts and certain other scheduled events. This course may be taken four times for credit.

Prerequisite: Previous singing experience. IAI Code: None. PCS Code: 1.1. Lecture: 0. Lab: 3.

MUS 194 - Instrumental Ensemble I (Jazz Ensemble) (1 credit)

Instrumental Ensemble I is open to students who wish to perform in Jazz Ensemble or other small instrumental groups. Members are expected to perform at concerts and certain other scheduled events. This course may be taken four times for credit.

Prerequisite: Previous playing experience. Corequisite: For Jazz Ensemble, concurrent enrollment in MUS-195 or MUS-295 by woodwind, brass and percussion players is suggested. IAI Code: None. PCS Code: 1.1. Lecture: 0. Lab: 3.

MUS 195 - Band I (1 credit)

Band I is open to students who play brass, woodwind, or percussion instruments. The band plays standard and contemporary band literature. Band members are expected to perform at concerts and certain other scheduled events. This course may be taken four times for credit.

Prerequisite: Previous instrument playing experience. IAI Code: MUS 908. PCS Code: 1.1. Lecture: 0. Lab: 3.

MUS 198 - Orchestra I (1 credit)

Orchestra I is open to students who play orchestral instruments. The orchestra plays standard and contemporary orchestra literature. Orchestra members are expected to perform at concerts and certain other scheduled events. This course may be taken four times for credit.

Prerequisite: Previous instrument playing experience. IAI Code: MUS 908. PCS Code: 1.1. Lecture: 0. Lab: 3.

MUS 251 - Music Literature I (3 credits)

Music Literature I is a study of the music literature of Western Civilization from its origin to 1750. Emphasis will be on representative works of each period using videos, recordings, scores, and live performances. Stylistic difference and comparisons are stressed. The music will be considered in relation to the other fine arts and to the general historical background. The course is designed for students who intend to major in music.

Prerequisite: None. IAI Code: F1 901. PCS Code: 1.1. Lecture: 3. Lab: 0.

MUS 252 - Music Literature II (3 credits)

Music Literature II is a continuation of MUS-251 from 1750 to the present.

Prerequisite: None. IAI Code: F1 902. PCS Code: 1.1. Lecture: 3. Lab: 0.

MUS 253 - Music Literature III (3 credits)

Music Literature III is a continuation of MUS-252 from 1870 to the present. Emphasis will be placed on representative works and composers by the use of texts and recordings. The recordings are the companion to the Norton Anthology scores.

Prerequisite: None. IAI Code: F1 902. PCS Code: 1.1. Lecture: 3. Lab: 0.

MUS 294 - Instrumental Ensemble II (Jazz Ensemble) (1 credit)

Instrumental Ensemble II is a continuation of MUS-194 and is open to students who wish to perform in Jazz Ensemble or other small instrumental groups. Members are expected to perform at concerts and certain other scheduled events. This course may be taken four times for credit.

Prerequisite: Previous playing experience and satisfactory completion of four semesters of MUS-194. Corequisite:

For Jazz Ensemble, concurrent enrollment in MUS-195 or MUS-295 by woodwind, brass and percussion players is suggested. IAI Code: None. PCS Code: 1.1. Lecture: 0. Lab: 3.

MUS 295 - Band II (1 credit)

Band II is a continuation of MUS 195 and is open to students who play brass, woodwind, or percussion instruments. The band plays standard and contemporary band literature. Band members are expected to perform at concerts and certain other scheduled events. This course may be taken four times for credit.

Prerequisite: Previous playing experience and satisfactory completion of four semesters of MUS-195. IAI Code: MUS 908. PCS Code: 1.1. Lecture: 0. Lab: 3.

MUS 298 - Orchestra II (1 credit)

Orchestra II is open to students who play orchestral instruments. The orchestra plays standard and contemporary orchestra literature. Orchestra members are expected to perform at concerts and certain other scheduled events. This course may be taken four times for credit.

Prerequisite: Previous playing experience and satisfactory completion of four semesters of MUS-198. IAI Code: MUS 908. PCS Code: 1.1. Lecture: 0. Lab: 3.

NAD-Nursing Aide

NAD 101 - Nursing Aide (7 credits)

Nursing Aide provides an introduction to the principles of patient care. Emphasis is placed on communication and technical skills necessary to function as an important member of the nursing team. Students are given opportunities to develop nursing assistant skills in a variety of laboratory and clinical settings. (Approved by the Illinois Department of Public Health.) Note: Attendance for NAD-101 class and clinical are mandatory, no exceptions are allowed.

Prerequisite: Admission into the program and placement at MTH-096A or higher, and placement at ENG-098 or higher. IAI Code: None. PCS Code: 1.2. Lecture: 4.5. Lab: 5.

NRS-Nursing

NRS 104 - Pathophysiology: Altered Health Concepts (3 credits)

This course introduces mechanisms of disease and illness that affect health in individuals throughout the lifespan. Alterations in physiological processes are examined with an emphasis on client health. Pathophysiology as a foundation for professional nursing is introduced.

Prerequisite: Successful completion of BIO-185 or BIO-281/BIO-282, with a grade of C or higher, and previous or concurrent enrollment in BIO-274. IAI Code: None. PCS Code: 1.2. Lecture: 3. Lab: 0.

NRS 106 - Intro to Nursing Health Assessment (2.5 credits)

Intro to Nursing Health Assessment introduces health assessment for the fundamental nursing student and provides theoretical concepts and skills required to perform an interview, health history, and a basic head-to-toe physical assessment as it applies to the adult. Emphasis is on the development of physical assessment skills, conducting a health history, communication skills, and documentation. Cultural considerations are discussed. Application of knowledge and skills occur in lecture, skills laboratory and in the clinical setting. The clinical setting focuses on providing basic nursing care to an older adult with emphasis on health history, basic head-to-toe physical assessment, communication, and documentation.

Prerequisite: Successful completion of NRS-104 with a grade of C or higher, and admission into the Nursing Program. Corequisite: Concurrent enrollment in NRS-107, NRS-110, and NRS-111. IAI Code: None. PCS Code: 1.2. Lecture: 1.5. Lab: 3.

NRS 107 - Basic Principles of Pharmacology for Nursing (2.5 credits)

Basic Principles of Pharmacology for Nursing introduces the basic foundation of the study of pharmacology. Pharmacokinetic and pharmacodynamic factors in drug therapy are examined in relation to the major body systems and management of person's health. The pharmacological aspects of nursing care are integrated using the nursing process. Major drug classification prototypes and the related nursing implications are discussed.

Prerequisite: Successful completion of NRS-104 with a grade of C or higher, and admission into the Nursing program. Corequisite: Concurrent enrollment in NRS-106, NRS-110, NRS-111. IAI Code: None. PCS Code: 1.2. Lecture: 2.5. Lab: 0.

NRS 110 - Core Concepts I: Foundations of Nursing Practice (2 credits)

Core Concepts I: Foundations of Nursing, Theory introduces the foundational concepts necessary for safe, patient-centered professional nursing care while integrating

legal and ethical responsibilities of the nurse. Nursing as an art and science are introduced along with how a nurse thinks and communicates with the interdisciplinary healthcare team. Cultural diversity is integrated with concepts of health/illness/death. Different healthcare systems are explored. Application of knowledge occurs in lecture.

Prerequisite: Successful completion of NRS-104 with a grade of C or higher, and admission into the Nursing program. Corequisite: Concurrent enrollment in NRS-106, NRS-107, and NRS-111. IAI Code: None. PCS Code: 1.2. Lecture: 2. Lab: 0.

NRS 111 - Core Concepts II: Fundamentals of Nursing (4.5 credits)

Core Concepts II: Fundamentals of Nursing Practice explores principles for providing a safe and effective care environment, promoting health, maintaining psychological integrity and promoting physiological integrity. This course builds on the foundational concepts and utilizes the nursing process to introduce the fundamental components of nursing care, which is the framework for the nursing program. This course creates the foundations of evidence-based nursing knowledge for nursing courses and builds on knowledge gained in prerequisite courses. Application of knowledge and skills occur in lecture, skills laboratory and in the clinical setting providing care to an adult patient population within an acute care facility.

Prerequisite: Successful completion of NRS-104 with a grade of C or higher, and admission into the Nursing Program. Corequisite: Concurrent enrollment in NRS-106, NRS-107, and NRS-110. IAI Code: None. PCS Code: 1.2. Lecture: 2. Lab: 7.

NRS 221 - Behavioral Health/Older Adult Health Nursing (4 credits)

Behavioral Health/Older Adult Health Nursing, Theory/Clinical focuses on the use of the nursing process to meet the needs of persons and their families experiencing psychiatric disorders and maladaptive behaviors. Community mental health wellness-illness continuum throughout the lifespan is emphasized; including the mental and physical changes of the aging process and gerontological morbidities. Nursing laboratory and selected acute and long-term clinical community care experiences are required.

Prerequisite: Successful completion of NRS-106, NRS-107, NRS-110 and NRS-111 with a grade of C or higher. IAI Code: None. PCS Code: 1.2. Lecture: 2. Lab: 6.

NRS 223 - Adult Health Nursing I (4 credits)

Adult Health Nursing I addresses the concept health care alterations in adults. Emphasis is on assisting persons with health problems related to endocrine, gastrointestinal, metabolic, elimination, and fluid/electrolyte dysfunctions. The use of the nursing process in disease prevention, health promotion, and restorative concepts is integrated. Nursing lab and selected acute care and community agency clinical experiences are required.

Prerequisite: Successful completion of NRS-106, NRS-107, NRS-110, and NRS-111. IAI Code: None. PCS Code: 1.2. Lecture: 2. Lab: 6.

NRS 235 - Family and Reproductive Health Nursing (4 credits)

Family and Reproductive Health Nursing focuses on the persons needs from conception through the postpartum period. Opportunities are provided to care for the intrapartum, postpartum person and the newborn. Emphasis is on the nursing process, health promotion and the prevention of illness. The alterations in health related to the reproductive system are addressed. The role of the perioperative nurse and care during the perioperative period is emphasized. Selected nursing lab and acute care experiences are required.

Prerequisite: Successful completion of NRS-221 and NRS-223 with a grade of C or higher. IAI Code: None. PCS Code: 1.2. Lecture: 2. Lab: 6.

NRS 237 - Adult Health Nursing II (4 credits)

Adult Health Nursing II focuses on adult persons as individuals and families with alterations in cognition, sensation and motion, and burn injuries from emergency care through rehabilitation. Application of the nursing process in promoting and restoring health and preventing illness is integrated. Emphasis is on student roles of health promotion, clinical competence, communication and collaboration, and judgment and critical thinking. Laboratory and selected clinical experiences will be provided.

Prerequisite: Successful completion of NRS-221 and NRS-223 with a grade of C or higher. IAI Code: None. PCS Code: 1.2. Lecture: 2. Lab: 6.

NRS 241 - Child and Family Health Nursing (4 credits)

Child and Family Health Nursing focuses on the delivery of care through the use of the nursing process to children and families experiencing alterations in health. Emphasis is

on problem solving the diverse care needs of persons in selected community settings. Laboratory and selected clinical experiences are provided.

Prerequisite: Successful completion of NRS-235 and NRS-237. Corequisite: Concurrent enrollment in NRS-243 and NRS-245. IAI Code: None. PCS Code: 1.2. Lecture: 2. Lab: 6.

NRS 243 - Adult Health Nursing III (4 credits)

Adult Health Nursing III focuses on adult persons as individuals and families with alterations in cardiovascular and pulmonary function. Use of the nursing process in promoting and restoring health and preventing illness is integrated. Opportunities are provided to provide care for persons with a variety of cardiac and pulmonary health alterations. Selected nursing lab and acute care nursing experiences are required.

Prerequisite: Successful completion of NRS-235 and NRS-237 with a grade of C or higher. Corequisite: Concurrent enrollment in NRS-241 and NRS-245. IAI Code: None. PCS Code: 1.2. Lecture: 2. Lab: 6.

NRS 245 - Transition to Professional Nursing (1.5 credits)

This course focuses on the continuous professional development of the novice nurse. Course emphasis is foundations of contemporary professional nursing, including ethical and legal responsibilities, current trends in delivery of health care, and the nurse's role.

Prerequisite: Successful completion of NRS-235 and NRS-237 with a grade of C or higher. Corequisite: Concurrent enrollment in NRS-241 and NRS-243. IAI Code: None. PCS Code: 1.2. Lecture: 1.5. Lab: 0.

OFF-Office Professional

OFF 115 - File Management (2 credits)

File Management will provide instruction to anyone needing to know the legal, technical, and social aspects of electronic notebooks, record keeping, groupware, document management, knowledge management, or other collaborative systems used in organizations. Students will examine office technological environments and associated strategies for managing electronic records, electronic workflow techniques, and how to establish an effective electronic document retrieval system.

Prerequisite: None. IAI Code: None. PCS Code: 1.2. Lecture: 1. Lab: 2.

OFF 118 - Computer Keyboarding (1 credit)

Computer Keyboarding is taught on a computer as an independent study course and/or as a regular short course. The course is designed so that students can acquire the skill to effectively use touch typing to input alphabetical and numerical data into a computer. A pass/fail grading system is used.

Prerequisite: None. IAI Code: None. PCS Code: 1.2. Lecture: 0. Lab: 2.

OFF 121 - Advanced Document Preparation and Design (3 credits)

Microsoft Office Applications are designed to work together in today's complex and fast-paced business environment. In this course, students enrich basic knowledge of Office applications by focusing on content integration and advanced document design. Students use a project-based format to integrate content between Microsoft Word, Excel, PowerPoint, and Access accomplishing tasks that go beyond the capabilities of individual applications. Emphasis is on producing high-quality professional documents.

Prerequisite: Successful completion of PCI-106 with a grade of C or higher. IAI Code: None. PCS Code: 1.2. Lecture: 2. Lab: 2.

OFF 131 - Independent Study - Office Software Applications (1-6 credits)

Independent Study - Office Software Applications is designed for those individuals who have software skills but would like the opportunity to complete additional business software applications. It provides the opportunity for students to return periodically to work with new software as it becomes popular in the business community.

Prerequisite: Completion of PCI-106 with a passing grade. IAI Code: None. PCS Code: 1.2. Lecture: 0. Lab: 2-12.

OFF 144 - Insurance Procedures/Medical Office (1 credit)

Insurance Procedures/Medical Office is an introduction to the medical insurance industry including types of insurance, coding, standard billing forms and benefit calculations.

Prerequisite: None. IAI Code: None. PCS Code: 1.2. Lecture: 1. Lab: 0.

OFF 147 - Coding (4 credits)

Coding is designed to provide the student with basic

coding knowledge in both clinical and hospital-based coding utilizing the current versions and concepts of CPT, ICD and DRG.

Prerequisite: Completion of BIO-171 and HLT-110 with a passing grade. IAI Code: None. PCS Code: 1.2. Lecture: 4. Lab: 0.

OFF 220 - Advanced Coding (3 credits)

Advanced Coding is a course designed to provide the student with advanced, hands-on coding knowledge in both clinical and hospital-based coding utilizing the current coding versions and concepts of CPT, ICD and DRG.

Prerequisite: Completion of OFF-147 with a passing grade. IAI Code: None. PCS Code: 1.2. Lecture: 3. Lab: 0.

OFF 222 - Office Technology Practicum (3 credits)

Using Microsoft Office students create documents for simulated companies. Students work with realistic workplace projects to integrate business vocabulary, critical thinking strategies, and Web research with advanced document processing skills. This course reviews both Core and Expert MOS competencies for Microsoft Office Applications.

Prerequisite: Successful completion of OFF-121 with a grade of C or higher, or instructor consent. IAI Code: None. PCS Code: 1.2. Lecture: 2. Lab: 2.

OFF 226 - Professional Development (3 credits)

Professional Development is designed for the development of skills and attitudes that allow students to function successfully in the work place. Emphasis will be placed on interpersonal skills, communication, goal setting, employment skills, team work, image and other timely business topics. In addition, students will create portfolios to showcase professional work.

Prerequisite: None. IAI Code: None. PCS Code: 1.2. Lecture: 3. Lab: 0.

OFF 231 - Office Procedures (3 credits)

Office Procedures emphasizes essential business procedures and activities. Topics include human relations, routine and administrative duties, filing and records management, office ethics, decision-making, and problem solving. Students interested in a specialized office career, such as medical or legal, will complete a semester project focusing on that area of interest. Others will complete a similar project of a general office career.

Prerequisite: None; recommended that this course be taken the last semester of attendance. IAI Code: None. PCS Code: 1.2. Lecture: 3. Lab: 0.

OFF 245 - Introduction to Health Information Technology (3 credits)

Introduction to Health Information Technology provides an overview of the history of patient record health information technology and the evolution of the profession. Study topics include analysis of paper and electronic record content (stressing accuracy, completeness, correlation of data, privacy and confidentiality), numbering and filing systems with emphasis on retention policies, storage methods and computerization. Students will also study Health Insurance Portability Accountability Act (HIPAA) guidelines and the professional code of ethics.

Prerequisite: None. IAI Code: None. PCS Code: 1.2. Lecture: 3. Lab: 0.

OFF 250 - Health Care Revenue Cycle (3 credits)

The Health Care Revenue Cycle course provides concepts and practice on skills utilized within the daily responsibilities of the revenue cycle professional. These concepts and practice units cover learning objectives related to cost analysis, contract discrepancies, census, grown abilities, charge capture/denials, as well as coding guideline updates. In addition, claims management and resolution summaries are provided. The course is designed for professionals currently working in the Health Information field, such as in an Inpatient Business Office, Revenue Cycle, Admissions, and/or Outpatient Settings, or for individuals seeking the Office Professional A.A.S. degree with an emphasis in the Medical Office Professional option with a goal of working in health care.

Prerequisite: Completion of OFF-144 with a passing grade, or instructor consent. IAI Code: None. PCS Code: 1.2. Lecture: 3. Lab: 0.

OFF 293 - Independent Study in Office Technology (1-3 credits)

Independent Study in Office Technology allows the student to conduct research or develop an individualized project in an area of special interest in office technology. Course requirements are individualized. Consent of the coordinator is required.

Prerequisite: Completion of 30 semester hours of credit in the Office Professional curriculum. Repeat of this course to a maximum of three credits is permissible. IAI Code: None. PCS Code: 1.2. Lecture: 1-3. Lab: 0.

OFF 294 - Office Internship (1-3 credits)

Office Internship enables the student to work in a business setting. The student is responsible for securing the site for a full- or part-time office position. The requirements for this course are individualized. Prior to enrolling, students must have approval to enroll from the instructor. This course may be repeated two times.

Prerequisite: Completion of 30 hours of semester credit in the Office Professional curriculum. IAI Code: None. PCS Code: 1.2. Lecture: 0. Lab: 5-15.

PCI-Personal Computer Information Specialist

PCI 106 - Microcomputer Applications/Windows Based (4 credits)

Microcomputer Applications/Windows Based is a survey of current applications for microcomputers utilizing hands-on experience with popular soft-ware packages in the Windows environment. Topics include word processing, electronic spreadsheets, presentation software, database systems, presentation software, Internet Web browsers, and some background in microcomputer hardware and operating systems.

Prerequisite: Keyboard proficiency or concurrent enrollment in OFF-118. IAI Code: BUS 902. PCS Code: 1.2. Lecture: 3. Lab: 2.

PCI 200 - Microcomputer Information Systems Practicum (3 credits)

Microcomputer Information Systems Practicum is a course designed to acquaint students with the methodologies involved in designing, developing, and documenting information systems solutions to business problems by using personal computers. The systems development life cycle methodology is presented along with Microsoft Access software. With this background, students will design a solution to their own systems problem.

Prerequisite: Successful completion of PCI-106 and PCI-206 with a grade of C or higher. IAI Code: None. PCS Code: 1.2. Lecture: 2. Lab: 5.

PCI 206 - Advanced Microcomputer Applications Windows/Based (3 credits)

Advanced Microcomputer Applications Windows/Based is a survey course presenting Windows applications for microcomputers utilizing hands-on experience with popular software packages, specifically Microsoft Word, Microsoft Excel, Microsoft Access, and Microsoft Powerpoint. Topics include word processing, electronic spreadsheets and database systems along with some background in microcomputer hardware and basic Windows concepts. This course is intended to be an extension of PCI-106.

Prerequisite: Successful completion of PCI-106 with a grade of C or higher. IAI Code: None. PCS Code: 1.2. Lecture: 3. Lab: 0.

PCI 226 - Post Advanced Microcomputer Applications/Windows Based (3 credits)

Post Advanced Microcomputer Applications/Windows Based is a survey of current applications for microcomputers utilizing hands-on experience with popular software packages in the Windows environment. Topics include high-end advanced training in word processing, electronic spread-sheets, presentation software, and database systems, with an emphasis on customization and automation.

Prerequisite: Completion of PCI-106 and PCI-206 with a passing grade. IAI Code: None. PCS Code: 1.2. Lecture: 3. Lab: 3.

PCI 228 - MOS Certification Preparation (1 credit)

MOS certification preparation is a preparatory course for the Microsoft Office User Specialist certification exam. Students will choose an exam to take from the following: WordCore, Word Expert, Excel Core, Excel Expert, Access Core, Access Expert, PowerPoint Comprehensive. Then they will practice skills necessary to pass the exam. Practice exams which simulate the testing environment will be part of the course. At the end of the eight weeks, they will take the actual exam. Course fee includes the test fee. Repeatable up to three times for four credits.

Prerequisite: Completion of PCI-106 and PCI-206 with a passing grade; Completion of PCI-226 for expert exams. IAI Code: None. PCS Code: 1.2. Lecture: 1. Lab: 0.

PCT-Personal Computer Technical Specialist

PCT 110 - Network Essentials (3 credits)

Network Essentials is a course providing an introduction to local area networks (LANs). The course is useful for LAN managers, supervisors of LAN managers, users of LANs, or those considering the purchase and installation of a local area network. Topics include needs analysis, methods to

evaluate and determine specifications of hardware and software for purchase, installation, management, and troubleshooting of a local area network system. microcomputer-based local area networks will be emphasized. Students will install a local area network as part of the course.

Prerequisite: Successful completion of CIS-102 with a grade of C or higher. IAI Code: None. PCS Code: 1.2. Lecture: 3. Lab: 0.

PCT 111 - Windows Active Directory (3 credits)

This course provides students with a comprehensive understanding of Active Directory for the current version of Windows Server; and to prepare students for server administration. This course will also help students prepare for the current Windows Active Directory certification exam. The course focuses on designing Active Directory architecture, installing and configuring supporting services, setting up and managing sites and domains, troubleshooting problems and resolving real world scenarios, and managing resources in Active Directory. Students have an opportunity to apply their knowledge through hands-on projects and case study assignments. This course is offered in the fall term.

Prerequisite: Successful completion of CIS-102 with a grade of C or higher. IAI Code: None. PCS Code: 1.2. Lecture: 3. Lab: 0.

PCT 112 - Windows Server Fundamentals (3 credits)

Windows Server Fundamentals will help develop the skills necessary to implement, install, and manage a Windows 20xx network. It will focus on Microsoft Windows 20xx. Work will begin with the utilities Windows 20xx provides with its software. Implementation of print services, security, login scripts and menus will be demonstrated. Work will be done on network analysis, trouble shooting and understanding how Windows 20xx works. This course is offered in the fall term.

Prerequisite: Successful completion of CIS-102 with a grade of C or higher. IAI Code: None. PCS Code: 1.2. Lecture: 3. Lab: 0.

PCT 113 - Microsoft Windows Infrastructure (3 credits)

This course provides students with a comprehensive understanding of Windows Server Network Infrastructure. It is intended for anyone who wants to learn how to configure and maintain network infrastructure on the current version of Windows Server, as well as for those individuals seeking Microsoft certification. The course begins by examining networking concepts, installing Microsoft Windows Server, and configuring and managing DHCP and DNS server roles. Additional concepts include routing and remote access, configuring file and print services, maintaining and updating Windows Server, securing data transmission, maintaining network health, and maintaining file services. Students have an opportunity to apply their knowledge through hands-on projects and case study assignments. This course is offered in the spring term.

Prerequisite: Successful completion of CIS-102 with a grade of C or higher. IAI Code: None. PCS Code: 1.2. Lecture: 3. Lab: 0.

PCT 120 - Cisco Networking I (4 credits)

Cisco Networking I is the first of four courses in the Cisco Networking Academy program. This courses topics include networking standards, networking terminology, protocols, safety, cabling, routers, and addressing. Decision-making and problem-solving techniques are applied to solve network problems. Additional instruction is provided in maintenance and use of software, tools and equipment.

Prerequisite: Successful completion of CIS-102 with a grade of C or higher. IAI Code: None. PCS Code: 1.2. Lecture: 4. Lab: 0.

PCT 122 - Cisco Networking II (4 credits)

Router Theory and Technologies is the second course of four courses in the Cisco Networking Academy program. Topics included in this course are safety, standards, TCP/IP, routing and administration. Decision-making and problem-solving techniques are applied to solve network problems.

Prerequisite: Successful completion of PCT-120 with a grade of C or higher. IAI Code: None. PCS Code: 1.2. Lecture: 4. Lab: 0.

PCT 124 - Cisco Networking III (4 credits)

Advanced Routing and Switching is the third course of four courses in the Cisco Networking Academy. Topics included in this course are advanced router configurations, LAN switching, network management and advanced network design.

Prerequisite: Successful completion of PCT-122 with a grade of C or higher. IAI Code: None. PCS Code: 1.2. Lecture: 4. Lab: 0.

PCT 128 - Networking Certification Preparation (2 credits)

Networking Certification Preparation course will give you the tools to prepare you for current industry standard IT networking certification. Students will use hands-on lab equipment as well as study materials and tools for certification preparation.

Prerequisite: None. IAI Code: None. PCS Code: 1.2. Lecture: 2. Lab: 0.

PCT 130 - Introduction to Network Security Fundamentals (3 credits)

This course is designed for students and professionals interested in understanding the field of network security and how it relates to other areas of Information Technology. The course covers physical security, wireless technologies, Intrusion Detection Systems, Remote Access, Websecurity, E-mail, authentication, cryptography and various attack methodologies such as Denial of Service (DoS), main-in-the-middle and Malware. This course is offered in the fall term.

Prerequisite: Completion of CIS-102 with a passing grade. IAI Code: None. PCS Code: 1.2. Lecture: 3. Lab: 0.

PCT 132 - Advanced Network Security (3 credits)

Advanced Network Security is designed for students and professionals interested in continuing their study of network security. Topics included in this course are: Network Defense design, Security Policy design, configuration of Router IOS firewalls (software), configuring VPN solutions, Intrusion detection & Prevention Systems, Layer 2 Security, and IT Security Management. This course is offered in the fall term.

Prerequisite: Successful completion of PCT-124 with a grade of C or higher. IAI Code: None. PCS Code: 1.2. Lecture: 3. Lab: 0.

PCT 211 - VMware vSphere: Install, Configure, Manage (3 credits)

Through lectures, discussions, demonstrations, and labs, students learn the skills and knowledge necessary to install, configure and manage VMware vSphere environments. With additional effort, students can use this knowledge to pass the VCP Certification Exam and become a VMware Certified Professional. Topics will include installing the VMware ESXi server and VMware vCenter, creating virtualized switches and storage, creating and managing virtual machines, establishing access controls, and performing resource monitoring. Students have an opportunity to apply their knowledge through hands-on projects and case study assignments using the current version of the vSphere software. This course is offered in the spring term.

Prerequisite: Successful completion of CIS-102 with a grade of C or higher. IAI Code: None. PCS Code: 1.2. Lecture: 3. Lab: 0.

PCT 230 - Ethical Hacking (3 credits)

An introductory course to familiarize students with the latest tools and techniques used in penetration testing. Students will learn the methodologies used to ethically conduct all phases of a penetration test, including information gathering/reconnaissance, footprinting, vulnerability analysis, exploitation, privilege escalation, and reporting. Students perform tailored lab assignments to learn how to use the tools necessary to complete each penetration test phase. Additional topics include Linux commands for pen-testing, open-source intelligence, OWASP top 10, reverse engineering, writing a proof of concepts, and exploit development. This course is practical driven, requiring students to apply what they have learned to conduct penetration testing objectives.

Prerequisite: Previous or concurrent enrollment in PCT-270. IAI Code: None. PCS Code: 1.2. Lecture: 3. Lab: 0.

PCT 262 - A+ Essentials (3 credits)

A+ Essentials is a course designed to teach the student how to install new machines in a stand-alone or networked environment. Preventive maintenance tasks, troubleshooting techniques, and emergency problem handling will also be presented along with equipment testing and the installation of systems and application software. This course is offered in the spring term.

Prerequisite: Successful completion of CIS-102 with a grade of C or higher. IAI Code: None. PCS Code: 1.2. Lecture: 2. Lab: 2.

PCT 270 - Introduction to UNIX/Linux (3 credits)

Introduction to UNIX/Linux introduces the student to the features of the UNIX/Linux operating system. Topics covered are the functions of a multi-user operating system, file system structure, basic system commands, how to configure user environments, as well as an introduction to shell programming. The student will learn the basic skills needed to function in the UNIX/Linux system environment. This course is offered in the fall term.

Prerequisite: Successful completion of CIS-102 with a grade of C or higher. IAI Code: None. PCS Code: 1.2.

Lecture: 3. Lab: 0.

PCT 275 - Cisco Firewall Design (4 credits)

This course is designed for students and professionals interested in continuing their study of network security. This course's possible topics include, but are not limited to: ACLs, ASA firewalls, ASA firewall AAA authentication, and ASA VPNs. (This course is offered in the fall term.)

Prerequisite: Successful completion of PCT-124 with a grade of C or higher. IAI Code: None. PCS Code: 1.2. Lecture: 4. Lab: 0.

PCT 290 - Special Topics in Personal Computer Technology (1-6 credits)

Special Topics in Personal Computer Technology will cover leading edge topics in the Personal Computer Technology arena. This course will often be taught by professionals from the business world. Initial topics being considered are network security, advanced routing, and advanced network design. This course may be repeated three times.

Prerequisite: Consult the schedule of classes for the current semester to determine prerequisites and other requirements or contact the instructor. IAI Code: None. PCS Code: 1.2. Lecture: 1-6. Lab: 0.

PCT 291 - Internship/Field Project (1-6 credits)

Internship/Field Project requires a supervised experience in a networking position in a local cooperating business or non-profit organization using a cooperative training plan agreed to by the instructor, participating firm, and student. The student must submit an application to the instructor. Consent of the Division Director is required. Variable credit may be earned up to six hours.

Prerequisite: Current enrollment in the Personal Computer Technical Specialist curriculum, completion of at least 12 hours in PCT courses, and sophomore class standing. IAI Code: None. PCS Code: 1.2. Lecture: 0. Lab: 5-30.

PGE-Physical Geography

PGE 100 - Physical Geography (3 credits)

Physical Geography is an introduction to the geographical features of the Earth's natural environment. The course examines the physical, chemical and biological processes that shape these features and control their spatial distribution; the dependence of human society on the natural environment; and the ways in which humans intentionally and unintentionally modify the natural environment.

Prerequisite: Sufficiently high placement test score, or completion of MTH-092, or MTH-096A, or MTH-096S with a grade of C or higher, or equivalent. IAI Code: P1 909. PCS Code: 1.1. Lecture: 3. Lab: 0.

PGE 102 - Physical Geography with Lab (4 credits)

Physical Geography with Lab is an introduction to the geographical features of the Earth's natural environment. The course examines the physical, chemical and biological processes that shape these features and control their spatial distribution; the dependence of human society on the natural environment; and the ways in which humans intentionally and unintentionally modify the natural environment. The lab component of the course provides hands-on application of these geographic concepts using exercises, experiments, and the interpretation of topographic maps and aerial photographs.

Prerequisite: One year of high school algebra or its equivalent. Sufficiently high placement test score, or completion of MTH-092, or MTH-096A, or MTH-096S with a grade of C or better, or equivalent. IAI Code: P1 909L. PCS Code: 1.1. Lecture: 3. Lab: 3.

PGE 240 - Global Climate Change (3 credits)

Global Climate Change is a multidisciplinary scientific analysis of Earth's continually changing climate. The course examines the climatic responses of major systems (ice, water, air, land, flora, and fauna) throughout geologic history, emphasizing the most recent 20,000 years. Focus is on observation, hypothesis-building, and hypothesis-testing. Current ideas concerning impact of humankind on climate and future impact of climate change on humans are investigated. Recommended one high school or college-level earth science or environmental biology course.

Prerequisite: Successful completion of MTH-220 with a grade of C or higher, or instructor consent. IAI Code: P1 905. PCS Code: 1.1. Lecture: 3. Lab: 0.

PHL-Philosophy

PHL 150 - Introduction to Philosophy (3 credits)

Introduction to Philosophy is a survey of a selection of major philosophical issues. These may include: the nature of human beings, the possibility and limits of human knowledge, human freedom and responsibility, the nature of religion, the nature of beauty, and the nature of morality. The course will include a survey of philosophers, their

works and some of the philosophical methods and tools used in their theorizing.

Prerequisite: None. IAI Code: H4 900. PCS Code: 1.1. Lecture: 3. Lab: 0.

PHL 151 - Introduction to Non-Western Philosophy (3 credits)

Introduction to Non-Western Philosophy provides a survey of non-Western philosophical questions, methods, and concepts especially in the areas of metaphysics, epistemology, ethics, theology, the philosophy of mind and social/political philosophy. The perspectives of several non-Western philosophers will be examined, including those from traditions found in Africa, India, Easter Asia and Latin America.

Prerequisite: None. IAI Code: H4 903N. PCS Code: 1.1. Lecture: 3. Lab: 0.

PHL 152 - Environmental Ethics (3 credits)

Environmental Ethics is a survey course covering major ethical theories and applying them to the environment and our place in it. Topics will include a brief introduction into moral theory and historical approaches to nature and the environment, animal rights, preservation of the species, population control, global climate change, pesticides, questions regarding the intrinsic value of the Earth, economics and the environment, and obligations to future generations.

Prerequisite: None. IAI Code: H4 904. PCS Code: 1.1. Lecture: 3. Lab: 0.

PHL 153 - Medical Ethics (3 credits)

This course provides a systematic examination of medical law and a selection of moral issues that arise in health-care contexts. The course will include an examination of the legal implications in the health care field including patient's rights, confidentiality, liability, ethical decisions, documentation, consent, and release of information. The course will include a brief examination of meta-ethical theories and principles that offer conceptual tools to employ in thinking about particular moral issues. The course will include examinations of both enduring issues that have persisted throughout time (truth-telling and the patient, obligations to treat in times of epidemic, universal entitlement to health care, assisted suicide, etc.) and issues arising as a result of recent developments in medical technologies and health care in general (AIDS crisis, health care reform, surrogate motherhood, status of frozen pre-embryos, genetic engineering, etc.).

Prerequisite: None. IAI Code: None. PCS Code: 1.1. Lecture: 3. Lab: 0.

PHL 154 - Introduction to Religion (3 credits)

Introduction to Religion is an introduction to the concept of religion within society, treating the nature, origin, beliefs, practices and roles that religion plays.

Prerequisite: None. IAI Code: H5 900. PCS Code: 1.1. Lecture: 3. Lab: 0.

PHL 155 - World Religions (3 credits)

World Religions is a survey of the major religions of the world. This course will include a philosophical examination of the histories and selected teachings, practices and institutions of major Eastern and Western religions, such as Buddhism, Christianity, Confucianism, Daoism, Hinduism, Islam, Jainism, Judaism, Shinto, and Sikhism.

Prerequisite: None. IAI Code: H5 904N. PCS Code: 1.1. Lecture: 3. Lab: 0.

PHL 156 - Religion in American Society (3 credits)

This course is a survey of the contribution of religion to American culture, including the differences between rural and urban society; the development of religious freedom and the rise of "secular religion." Examines the emergence of new forms of belief and practice and the variety of religious issues confronting American society today.

Prerequisite: None. IAI Code: H5 905. PCS Code: 1.1. Lecture: 3. Lab: 0.

PHL 157 - Foundational Religious Texts (3 credits)

This course is the humanistic study of one or more of the foundational documents of the world's major religions, such as the Hebrew Bible, the New Testament, the Qur'an (Koran), or the Vedas.

Prerequisite: None. IAI Code: H5 901. PCS Code: 1.1. Lecture: 3. Lab: 0.

PHL 158 - Ancient and Medieval Philosophy (3 credits)

Ancient and Medieval Philosophy provides a survey of western philosophy beginning with ancient thinkers and themes and ending with the medieval period. This course examines major philosophical thinkers within their historical, social, political, scientific, and religious contexts, with an emphasis on how early philosophers used

reason to make sense of the world and themselves, and how their theories continue to influence thinkers well beyond their historical period.

Prerequisite: None. IAI Code: H4 901. PCS Code: 1.1. Lecture: 3. Lab: 0.

PHL 159 - Modern & Contemporary Philosophy (3 credits)

Modern & Contemporary Philosophy provides a survey of western philosophy beginning with the Renaissance and ending with the present. This course examines major philosophical thinkers within their historical, social, political, scientific, and religious contexts, with an emphasis on how they used reason to make sense of the world and themselves, and how their theories continue to influence thinkers well beyond their historical period.

Prerequisite: None. IAI Code: H4 902. PCS Code: 1.1. Lecture: 3. Lab: 0.

PHL 255 - Logic (3 credits)

Logic is an examination of the nature of reason and argumentation. The course will focus on developing formal and informal tools and techniques for evaluating arguments and for sharpening one's own reasoning skills. Topics covered may include: nature of thought, language, and meaning, definitions, argument recognition, argument interpretation, informal fallacies, syllogistic and propositional logic.

Prerequisite: None. IAI Code: H4 906. PCS Code: 1.1. Lecture: 3. Lab: 0.

PHL 256 - Contemporary Moral Issues (3 credits)

Contemporary Moral Issues combines an extensive treatment of different theories of morality with an application of these theories to a selected group of particular moral issues dominant in contemporary culture. These may include such issues as war, torture and terrorism, same-sex rights, technology, immigration, capital punishment, poverty and affluence, rights to privacy, racism, sexism, violence and weapons, and animal rights.

Prerequisite: None. IAI Code: H4 904. PCS Code: 1.1. Lecture: 3. Lab: 0.

PHL 260 - Philosophy of Religion (3 credits)

Philosophy of Religion provides a critical examination of the central philosophical issues associated with religion. Topics my include: the existence and nature of a deity, good and evil, miracles, souls, life after death, and revelations, and may include such relationships as those between myth and religion, religious experience and justification, faith and knowledge, and between religious beliefs and moral conduct.

Prerequisite: None. IAI Code: H4 905. PCS Code: 1.1. Lecture: 3. Lab: 0.

PHY-Physics

PHY 201 - Mechanics and Heat (5 credits)

Mechanics and Heat is an algebra/trigonometry-based study of physics. Topics covered include kinematics, Newton's Laws, momentum, rotational motion, energy, wave motion, and heat. This course is designed to meet the requirements of many liberal arts, architectural, and pre-professional students. The class will meet for three hours of lecture, one hour required discussion and three hours of laboratory per week.

Prerequisite: Successful completion of MTH-125 or MTH-132, or equivalent, with a grade of C or higher. IAI Code: P1 900L. PCS Code: 1.1. Lecture: 4. Lab: 3.

PHY 202 - Waves/Electricity/Light & Modern Physics (5 credits)

Waves, Electricity, Light, and Modern Physics is a continuation of PHY-201. Topics studied include electricity and magnetism, light and optics, and modern physics. (The class will meet for three hours of lecture, one hour required discussion and three hours of laboratory per week.)

Prerequisite: Completion of PHY-201 or equivalent with a passing grade. IAI Code: BIO 904. PCS Code: 1.1. Lecture: 4. Lab: 3.

PHY 215 - Mechanics, Wave Motion, Thermodynamics (5 credits)

Mechanics, Wave Motion and Thermodynamics is a calculus-based study of the kinematics and dynamics of the motion of rigid bodies, wave propagation and thermodynamics. Topics covered include accelerated motion, Newton's Laws, momentum, energy, rotational motion, gravitation, wave propagation, sound, and heat. PHY-215 and PHY-225 are required of all students majoring in engineering, chemistry, or physics. (The class will meet for three hours of lecture, one hour required discussion and three hours of laboratory per week.)

Prerequisite: Successful completion of MTH-135 with a grade of C or higher, previous or concurrent enrollment in MTH-235. Recommended one year of high school physics,

or completion of PHY-201. IAI Code: P2 900L. PCS Code: 1.1. Lecture: 4. Lab: 3.

PHY 225 - Electric, Magnetism, Light, Modern Physic (5 credits)

Electricity, Magnetism, Light, and Modern Physics is a continuation of PHY-215. Topics studied include electric fields, electric currents, A.C. electric circuits, electromagnetism, relativity, optics, light, and selected topics from modern physics. (The class will meet for three hours of lecture, one hour required discussion and three hours of laboratory per week.)

Prerequisite: Successful completion of MTH-235 and PHY-215 with a grade of C or higher, and previous or concurrent enrollment in MTH-236. IAI Code: None. PCS Code: 1.1. Lecture: 4. Lab: 3.

PLB-Phlebotomy Technician

PLB 110 - Phlebotomy I (2.5 credits)

Phlebotomy I covers the techniques for obtaining blood samples by venipuncture. Infection control, safety, anatomy of the circulatory systems, interpersonal communication, legal guidelines, and professional skills will be introduced. During the laboratory component, the student will practice various blood collection procedures after receiving instruction and demonstration. To successfully complete PLB-110, students must complete at least 30 successful venipunctures taken from artificial arm and master 30 competency skills.

Prerequisite: Completed RDG-099 and Eligible for MTH 088. Previous or concurrent enrollment in HLT-110 with a grade of C or higher. Current CPR Certification, Physical exam (12 mo.), proof of current vaccines and active titers, negative TB test, Drug Test, and Criminal Background: both clean, without charges. IAI Code: None. PCS Code: 1.2. Lecture: 2. Lab: 1.

PLB 120 - Phlebotomy II (2.5 credits)

Phlebotomy II is the continuation of techniques for obtaining blood samples by venipuncture and dermal capillary procedures with a diverse population. ASCP exam requirements will be taught, laboratory safety, quality assurance and professional skills related to blood specimen collection will be covered. During the laboratory component, the student will continue to practice various blood collection procedures after receiving instruction and demonstration. To successfully complete PLB-120, students must complete at least 40 successful venipunctures taken from artificial arm and from fellow students, and master 30 competency skills. Resume preparation, interviewing and job seeking skills will be covered.

Prerequisite: Successful completion of PLB-110 with a grade of C or higher, or equivalent, or consent of the Phlebotomy Coordinator. IAI Code: None. PCS Code: 1.2. Lecture: 2. Lab: 1.

PLB 130 - Phlebotomy Clinical (4 credits)

Phlebotomy Clinical is the continuation portion that requires 110 hours of offsite practical skill application in a medical clinical setting and the documentation of 100 unassisted successful blood collections. This eight week class will meet the in the classroom five times in the evening and the student will spend six weeks at the assigned clinical site for 110 daytime hours. The first and last week, the student will meet in the classroom to satisfy the program competency requirements. This individual must be proficiently trained to maintain high standards to ensure quality and safety in all aspects of specimen collection. Upon successful completion, the student will be eligible to take the ASCP phlebotomy certification examination. In the first week of this class, discussion topics include student reaction to supervised clinical experiences, professional issues related to the student's clinical rotation and/or the field of phlebotomy, communication skills appropriate for a diverse patient population, and application of customer service skills. The students will be given a list of skills to complete and document during the clinical experience* and a review of safety and infection control practices and the use of universal precautions will be discussed. *110 daytime clinical hours required and *5 evening classes required.

Prerequisite: Successful completion of PLB-120 with a grade of C or higher. IAI Code: None. PCS Code: 1.2. Lecture: 1. Lab: 6.

PSC-Political Science

PSC 150 - Introduction to Political Science (3 credits)

Introduction to Political Science provides an introduction to the world of social science with specific emphasis on the primary fields, theories, frameworks, concepts, and research methodological issues within the discipline of political science. The course emphasizes the development of political science as a discipline; the American government; comparative legislatures, executives, and judicial systems; authoritarian states, international relations; war and diplomacy; the rise of the United States;

and global order.

Prerequisite: None. IAI Code: S5 903. PCS Code: 1.1. Lecture: 3. Lab: 0.

PSC 160 - American National Government (3 credits)

American National Government is an introduction to the national government, including its structure, powers, and relationship to the American people. Topics include the legislative, executive, and judicial branches, civil rights and civil liberties, political parties and interest groups. Current events are emphasized throughout the course.

Prerequisite: None. IAI Code: S5 900. PCS Code: 1.1. Lecture: 3. Lab: 0.

PSC 161 - State and Local Government (3 credits)

State and Local Government is an introduction to state and local government in the U.S., with emphasis on Illinois state government and the local governments in the Rock Valley College area. Topics include the legislative, executive, and judicial branches of state government, the urban crisis, and the many and varied local governments in this area. Current events are emphasized throughout the course.

Prerequisite: None. IAI Code: S5 902. PCS Code: 1.1. Lecture: 3. Lab: 0.

PSC 211 - The American Presidency (3 credits)

The American Presidency is a survey of the constitutional basis, historical development, and systematic study of the Executive branch.

Prerequisite: None. IAI Code: None. PCS Code: 1.1. Lecture: 3. Lab: 0.

PSC 269 - International Relations (3 credits)

International Relations is an examination of the major factors which affect international relations with special emphasis on the political, historical, and economic elements. The material will be analyzed from the viewpoint of the United States and our foreign policy.

Prerequisite: None. IAI Code: S5 904. PCS Code: 1.1. Lecture: 3. Lab: 0.

PSY-Psychology

PSY 170 - General Psychology (3 credits)

General Psychology is an introduction to the entire area of psychology through a presentation of historical and current theory and research. Topics include research methods, biology of behavior, sensation and perception, learning, memory, development, motivation, personality, and social and abnormal behavior.

Prerequisite: None. IAI Code: S6 900. PCS Code: 1.1. Lecture: 3. Lab: 0.

PSY 225 - Child Development (3 credits)

Child Development introduces the theory, research, and changes dealing with human development from the time of conception to adolescence. Topics included are genetic factors, prenatal development, perceptual system changes, motor system development, language acquisition, social learning, cultural influences, and common problems relevant to the developmental processes.

Prerequisite: Successful completion of ENG-101 and PSY-170 with a grade of C or higher. IAI Code: S6 903. PCS Code: 1.1. Lecture: 3. Lab: 0.

PSY 250 - Psychology of Personality (3 credits)

Psychology of Personality is a scientific study of the origins of individual differences in thought, emotion, and behavior. Topics covered will include: research methods, personality assessment, the psychoanalytical and neopsychoanalytical approaches, the trait approach, the humanistic approach, the cognitive approach, the biological approach, and the behavioral/social learning approach.

Prerequisite: Successful completion of ENG-101 and PSY-170 with a grade of C or higher. IAI Code: PSY 907. PCS Code: 1.1. Lecture: 3. Lab: 0.

PSY 270 - Life-Span Developmental Psychology (3 credits)

Life-Span Developmental Psychology reviews aspects and changes which occur during a person's life from the time of prenatal development through death.

Prerequisite: Successful completion of ENG-101 and PSY-170 with a grade of C or higher. IAI Code: S6 902. PCS Code: 1.1. Lecture: 3. Lab: 0.

PSY 271 - Educational Psychology (3 credits)

Educational Psychology investigates the application of psychological principles and research to the process and techniques of teaching and learning. Special emphasis is given to formal education from both the perspective of student and instructor.

Prerequisite: Successful completion of ENG-101 and PSY-170 with a grade of C or higher. IAI Code: None. PCS Code: 1.1. Lecture: 3. Lab: 0.

PSY 273 - Industrial-Organizational Psychology (3 credits)

Industrial-Organizational Psychology introduces students to psychological principles and theories and their application to organizations and people within those organizations. Topics include research methods, employee selection, motivation and job satisfaction, leadership and management, training, teams, and performance appraisal.

Prerequisite: Successful completion of ENG-101 and PSY-170 with a grade of C or higher. IAI Code: None. PCS Code: 1.1. Lecture: 3. Lab: 0.

PSY 275 - Social Psychology (3 credits)

Social Psychology is the study of behavior between people. The course will introduce theory and research on topics such as the self, social cognition, attitudes, prejudice and discrimination, interpersonal attraction, social influence, prosocial behavior, aggression, and group dynamics.

Prerequisite: Successful completion of ENG-101 and PSY-170 with a grade of C or higher. IAI Code: S8 900. PCS Code: 1.1. Lecture: 3. Lab: 0.

PSY 276 - Abnormal Psychology (3 credits)

Abnormal Psychology is the study of psychopathology, its causes, its symptoms, and its treatment. Topics covered include theories of abnormal behavior, diagnosis and classification of problems, types of abnormality, individual and societal costs, intervention and treatment.

Prerequisite: Successful completion of ENG-101 and PSY-170 with a grade of C or higher. IAI Code: PSY 905 (pending). PCS Code: 1.1. Lecture: 3. Lab: 0.

RDG-Reading

RDG 101 - Academic Skill Building (2 credits)

Reading 101 focuses on reading flexibility, critical reading techniques, lecture processing skills, and test cycle evaluation. Students will appraise their reading skills, work to improve them, and apply these skills to their courses. The course also includes developing and applying study skills to individual student's college course material to strengthen the connection between reading and college success.

Prerequisite: Placement is voluntary to students who are not mandated into RDG-096 or RDG-099. This course is highly recommended for students who have marginal assessment scores, are on academic probation, or need to develop successful study strategies. IAI Code: None. PCS Code: 1.1. Lecture: 2. Lab: 0.

RSP-Respiratory Care

RSP 111 - Introduction to Respiratory Care (3 credits)

Introduction to Respiratory Care provides the student with an introduction to respiratory care. Areas covered include basic respiratory science and mathematics, the history of respiratory care, infection control, professionalism, cultural diversity in healthcare, and the basics needed to enter the field of respiratory care.

Prerequisite: Admission to the Respiratory Care Program. IAI Code: None. PCS Code: 1.2. Lecture: 3. Lab: 0.

RSP 112 - Patient Assessment (3 credits)

Patient Assessment provides an understanding of how the patient assessment procedures of medical record review, patient interview, and physical examination are performed and how this information with radiological examination and laboratory assessment can be used to evaluate a patient's health status and response to treatment. (Offered fall semester.)

Prerequisite: Admission to the Respiratory Care Program. Successful completion of BIO-185, or BIO-281 and BIO-282 with a grade of C or higher. IAI Code: None. PCS Code: 1.2. Lecture: 3. Lab: 0.

RSP 113 - Cardiopulmonary Anatomy and Physiology (3 credits)

Cardiopulmonary Anatomy and Physiology provides an in-depth study of pulmonary and cardiovascular anatomy and physiology. Ventilation, circulation, blood gas transport, and acid-base balance are closely examined. Fetal pulmonary and cardiovascular developments are also studied. (Offered fall semester.)

Prerequisite: Successful completion of BIO-185, or BIO-281 and BIO-282 with a grade of C or higher. IAI Code: None. PCS Code: 1.2. Lecture: 3. Lab: 0.

RSP 114 - Clinical Medicine (3 credits)

Clinical Medicine is an overview of diseases of the cardiopulmonary and related systems requiring medical and/or surgical intervention. Each pathological process will be discussed with regard to etiology, pathophysiology,

diagnosis, treatment and prognosis. (Offered spring semester.)

Prerequisite: Successful completion of RSP 113 with a grade of C or higher. IAI Code: None. PCS Code: 1.2. Lecture: 3. Lab: 0.

RSP 121 - Respiratory Care Practices and Procedures I (5 credits)

Respiratory Care Practices and Procedures I provides classroom instruction and laboratory practice for the equipment used to provide general respiratory care. Classroom instruction and laboratory practice is provided for many general respiratory care procedures. (Offered fall semester.)

Prerequisite: Admission to the Respiratory Care Program. IAI Code: None. PCS Code: 1.2. Lecture: 4. Lab: 2.

RSP 122 - Respiratory Care Practices and Procedures II (5 credits)

Respiratory Care Practices and Procedures II provides a continuation and completion of classroom instruction and laboratory practice for general respiratory care procedures. Following this, there is instruction and discussion on the integrated processes of patient assessment and care planning for general respiratory care procedures. (Offered spring semester.)

Prerequisite: Successful completion of RSP-112 and RSP-121 with a grade of C or higher. IAI Code: None. PCS Code: 1.2. Lecture: 4. Lab: 2.

RSP 123 - Respiratory Pharmacology (3 credits)

Respiratory Pharmacology is an introduction to the theory and use of medications, with emphasis on those used in cardiorespiratory care. Content will include weights, dosages, actions, indications, contraindications and hazards of drugs. Normal physiology and pathophysiology are reviewed to clarify the role of medications in the treatment of disease processes. (Offered spring semester.)

Prerequisite: Admission to the Respiratory Care Program. IAI Code: None. PCS Code: 1.2. Lecture: 3. Lab: 0.

RSP 131 - Clinical Practice I (2 credits)

Clinical Practice I is an introduction to the respiratory care profession and general health care-related concepts. Instruction is provided for clinical practices that can affect the safety of both patients and practitioners. The expectations for student performance in the clinical setting are discussed. Students will be involved in hospital orientation and introductory patient care activities toward the end of the course. (Offered fall semester.)

Prerequisite: Admission into the Respiratory Care Program. IAI Code: None. PCS Code: 1.2. Lecture: 2. Lab: 4.

RSP 132 - Clinical Practice II (3 credits)

Clinical Practice II provides, under supervision, observation, practice, and evaluation of patient assessment and general respiratory care procedures in the clinical setting. (Offered spring semester.)

Prerequisite: Successful completion of RSP-121 and RSP-131 with a grade of C or higher. IAI Code: None. PCS Code: 1.2. Lecture: 0. Lab: 16.

RSP 221 - Respiratory Care Practices and Procedures III (3 credits)

Respiratory Care Practices and Procedures III provides classroom instruction and laboratory practice for continuous mechanical ventilation and an introduction to critical care procedures. (Offered summer semester.)

Prerequisite: Successful completion of RSP-122 with a grade of C or higher. IAI Code: None. PCS Code: 1.2. Lecture: 2. Lab: 2.

RSP 222 - Cardiopulmonary Testing & Rehabilitation (3 credits)

Cardiopulmonary Testing and Rehabilitation provides the student with an in-depth study of pulmonary function testing in the lecture and laboratory setting including types of tests, test results analysis, diagnostic value of the analysis, pulmonary functions testing equipment, and the standards for equipment and test performance. Additional areas of study include pulmonary and cardiac stress testing, pulmonary rehabilitation, performing an electrocardiogram, cardiac arrhythmia recognition, blood gas analyzer function, and the quality assurance standards for blood gas analyzers. Field trips into local hospitals may be included. (Offered summer semester.)

Prerequisite: Admission in the Respiratory Care Program. IAI Code: None. PCS Code: 1.2. Lecture: 2. Lab: 2.

RSP 223 - Respiratory Care Practices and Procedures IV (4 credits)

Respiratory Care Practices and Procedures IV provides an in-depth study in the lecture and laboratory setting of mechanical ventilatory support and its use in respiratory care as well as the critical application of those principles involved in patient care. The use of the pulmonary artery catheter, end-tidal carbon dioxide measurement and other

monitoring procedures will be studied as they are applied to advanced cardiopulmonary monitoring. Also, adult and infant intubation will be practiced on mannequins. (Offered fall semester.)

Prerequisite: Successful completion of RSP-221 and RSP-132 with a grade of C or higher. IAI Code: None. PCS Code: 1.2. Lecture: 3. Lab: 2.

RSP 224 - Neonatal and Pediatric Respiratory Care (2 credits)

Neonatal and Pediatric Respiratory Care provides the student with information related to fetal development, neonatal assessment before birth, during the delivery process, and after delivery; and cardiopulmonary care of the sick newborn including, but not limited to, airway management, oxygen therapy, and mechanical ventilation. Additional discussion will include assessment and cardiopulmonary care of the sick pediatric patient. Guest lecturers may be brought in to present topics related to the high risk nursery. (Offered fall semester.)

Prerequisite: Admission into the Respiratory Care Program or consent of the program director. IAI Code: None. PCS Code: 1.2. Lecture: 2. Lab: 0.

RSP 225 - Respiratory Care Seminar (3 credits)

Respiratory Care Seminar has a format that allows for a variety of pertinent, current respiratory care and health care topics to be presented as needed. Set topics will include preparation for the National Board for Respiratory Care's Entry Level Exam, Written Registry Exam, and Clinical Simulation Exam; critical thinking, clinical practice guidelines, and therapist driven protocols. Guest speakers may be brought in from the area health care providers to share their expertise. (Offered spring semester.)

Prerequisite: Admission into the Respiratory Care Program or consent of the program director. IAI Code: None. PCS Code: 1.2. Lecture: 3. Lab: 0.

RSP 231 - Clinical Practice III (3 credits)

Clinical Practice III provides supervised observation, practice, and evaluation of more advanced respiratory care skills. These skills include administration of respiratory care procedures and mechanical ventilation to critically ill patients and the use of advanced patient assessment procedures. (Offered fall semester.)

Prerequisite: Successful completion of RSP-222 with minimum grade of C or higher. IAI Code: None. PCS Code: 1.2. Lecture: 0. Lab: 16.

RSP 232 - Clinical Practice IV (3 credits)

Clinical Practice IV provides a continuation of supervised observation, practice, and evaluation of the skills learned in RSP-231. Increasing emphasis is placed on the assessment and management of critically ill patients. Additionally, there are other scheduled experiences in respiratory care. (Offered spring semester.)

Prerequisite: Successful completion of RSP-231 with a minimum grade of C or higher. IAI Code: None. PCS Code: 1.2. Lecture: 0. Lab: 16.

RSP 240 - Respiratory Care Review (2 credits)

Respiratory Care Review is a comprehensive review and update of Respiratory Care as a preparation for The Multiple Choice Respiratory Therapist Exam and Clinical Simulation Exam through the National Board for Respiratory Care. Classes will include a review of procedures, medication, and diagnosis of respiratory issues/disorders. This class can be repeated.

Prerequisite: Previous course work in Respiratory Care and/or instructor consent. IAI Code: None. PCS Code: 1.2. Lecture: 2. Lab: 0.

SCM-Supply Chain Management

SCM 100 - Introduction to Supply Chain Management (3 credits)

Introduction to Supply Chain Management introduces the fundamentals to Supply Chain Management (SCM) necessary in improving business efficiency. Fundamentals explored in this course include inventory management, forecasting and planning, sourcing, product design and development, delivery, performance data and analysis, and supply chain coordination.

Prerequisite: Previous or concurrent enrollment in BUS 101. IAI Code: None. PCS Code: 1.2. Lecture: 3. Lab: 0.

SCM 101 - Operations Management (3 credits)

Operations Management provides a broad, practical foundation of operations management, a core business function. Concepts and problems encountered in planning, operating and controlling the production of goods and services will be explored, including product design, process selection, supply chain management, quality assurance, capacity and resource planning, inventory management, and scheduling to better manage operations. Relevant technology applications for optimizing various elements of operations management will also be explored.

Prerequisite: Previous or concurrent enrollment in BUS 101. IAI Code: None. PCS Code: 1.2. Lecture: 3. Lab: 0.

SCM 110 - Sourcing and Procurement (3 credits)

This course focuses on the strategic role and issues in sourcing and procurement within the supply chain function. Students will discuss the purchasing process, procurement cycle, relationships with suppliers, negotiations, commodities and global sourcing. Students will evaluate cost, price, and value analysis as part of the decision process.

Prerequisite: Successful completion of SCM-100 with a grade of C or higher. IAI Code: None. PCS Code: 1.2. Lecture: 3. Lab: 0.

SCM 111 - Inventory Management and Planning (3 credits)

This course provides an overview of the dynamics of inventory management and the crucial role that planning plays in the constantly changing supply chain environment. Topics include an understanding of forecasting, customer demand, production planning, and the technologies needed to support these areas. Concepts in Inventory Management & Planning complement those learned in Sourcing and Procurement for a big picture frame of reference.

Prerequisite: Successful completion of SCM-110 with a grade of C or higher. IAI Code: None. PCS Code: 1.2. Lecture: 3. Lab: 0.

SCM 112 - Demand Planning and Forecasting (3 credits)

Demand Planning & Forecasting focuses on the forecasting skills needed to support an effective supply chain. You will learn how to interpret signals, clues about the future, and drivers, forces that influence the direction of change. The course will introduce ways to predict business needs to build demand-sensing capabilities and translate demand signals to create an effective response.

Prerequisite: Successful completion of MTH-094, MTH-096A, or MTH-096S with a grade of C or higher, and SCM-100 with a grade of C or higher. IAI Code: None. PCS Code: 1.2. Lecture: 3. Lab: 0.

SCM 113 - Transportation, Warehousing, and Inventory (3 credits)

Transportation, Warehousing & Inventory will develop the students understanding of logistics within a supply chain including the flow of goods and information from the point of origin to the point of consumption. Students will analyze facility location, order management and distribution, packaging and materials handling, and local and global transportation. Students will learn to develop a high-quality logistics system.

Prerequisite: Successful completion of SCM-100 with a grade of C or higher. IAI Code: None. PCS Code: 1.2. Lecture: 3. Lab: 0.

SCM 114 - Data Analytics (3 credits)

Data Analytics is designed to introduce students to the analytical tools and techniques to utilize data in designing and managing supply chains. The emphasis will be on how these models can be used in some fundamental supply chain applications such as purchasing, production, transportation, and sales. Students will use Excel Solver to quantify the impact of variability in supply chain operations, and will explore other technological approaches to analytics.

Prerequisite: Successful completion of MTH-094, MTH-096A or MTH-096S, and SCM-100 with a grade of C or higher. IAI Code: None. PCS Code: 1.2. Lecture: 3. Lab: 0.

SOC-Sociology

SOC 190 - Introduction to Sociology (3 credits)

Introduction to Sociology includes a scientific study of the major concepts and principles of social behavior. Using core sociological theories, this course focuses on the patterns of social group interactions, institutions and structures and the relationship between these elements of society.

Prerequisite: None. IAI Code: S7 900. PCS Code: 1.1. Lecture: 3. Lab: 0.

SOC 290 - Social Problems (3 credits)

This course is designed to introduce students to a variety of current social problems and develop the sociological perspective through analysis of these issues. More specifically, the course will focus on how sociologists define, study, and interpret social problems. Students will utilize theories, concepts, and current research to examine the causes, prevalence, and consequences of specific problems. In addition, this course will employ strategies to empower students to identify, understand, and act toward intervention and creative solutions to social problems.

Prerequisite: Completion of SOC-190 with a passing grade, or instructor consent. IAI Code: S7 901. PCS Code: 1.1. Lecture: 3. Lab: 0.

SOC 291 - Criminology (3 credits)

Criminology is a study of crime as a form of deviant behavior. It includes a survey of schools and theories of criminology with special emphasis on crime in relation to social structure and social institutions. Special attention is given to career criminals, "white collar crime," and the treatment of criminals in the justice system.

Prerequisite: Completion of SOC-190 with a passing grade, or instructor consent. IAI Code: CRJ 912. PCS Code: 1.1. Lecture: 3. Lab: 0.

SOC 292 - Sociology of Deviance (3 credits)

Sociology of Deviance examines the sociological study of the origins, causes and control of deviance and deviant behavior which is seen as a labeling process. Emphasis is placed on individual and group deviance, resulting from societal norms and values. Primary areas to be covered include drug abuse, sexual deviance, marginal deviance, and career deviance.

Prerequisite: Completion of SOC-190 with a passing grade, or instructor consent. IAI Code: None. PCS Code: 1.1. Lecture: 3. Lab: 0.

SOC 294 - Urban Sociology (3 credits)

Urban Sociology examines the historical and contemporary development of cities and urban life. Using empirical and theoretical research, the course analyzes how people experience cities, how institutions and structures operate in cities, and urban social problems. Course topics are applied to urban environments locally, nationally, and globally.

Prerequisite: Completion of SOC-190 with a passing grade, or instructor consent. IAI Code: None. PCS Code: 1.1. Lecture: 3. Lab: 0.

SOC 295 - Racial and Ethnic Relations (3 credits)

Racial and Ethnic Relations examines the social construction of racial and ethnic group identities, institutions, and stratification systems from a national and global perspective. Using empirical and theoretical research, the course analyzes the impact of socio-historical processes on contemporary patterns of racial-ethnic prejudice and discrimination.

Prerequisite: Completion of SOC-190 with a passing grade, or instructor consent. IAI Code: S7 903D. PCS Code: 1.1. Lecture: 3. Lab: 0.

SOC 298 - Sociology of Sex and Gender (3 credits)

Sociology of Sex and Gender will focus on the multifaceted similarities and diversities between sex and gender within various environments and social situations. The course will focus on the social construction of gender and its impact on men and women in the workplace, family environment, personal, and intimate relationships.

Prerequisite: Completion of SOC-190 with a passing grade, or instructor consent. IAI Code: S7 904D. PCS Code: 1.1. Lecture: 3. Lab: 0.

SOC 299 - Sociology of the Family (3 credits)

Sociology of the Family is a study of the institutions of marriage and the family. The course will be presented from an inter-disciplinary perspective with major emphasis on the American family and marriage.

Prerequisite: Completion of SOC-190 with a passing grade, or instructor consent. IAI Code: S7 902. PCS Code: 1.1. Lecture: 3. Lab: 0.

SPH-Speech

SPH 131 - Fundamentals of Communication (3 credits)

Fundamentals of Communication is a beginning course in the theory and practice of speech communication. Attention is given to listening, interpersonal and group communication, public speaking. Students will develop more confidence and skill in oral communication.

Prerequisite: Successful completion of ENG-099 with grade of C or higher, or passing admission placement score for ENG-101. IAI Code: C2 900. PCS Code: 1.1. Lecture: 3. Lab: 0.

SPH 142 - Gender Communication (3 credits)

Gender Communication is an introductory examination of the communication differences between men and women. Students will become more aware of how gender roles influence communication and how gender expectancies are constructed through communication. The focus will be on personal experiences, interpersonal relationships and media influences.

Prerequisite: None. IAI Code: None. PCS Code: 1.1. Lecture: 3. Lab: 0.

SPH 201 - Interpersonal Communication (3 credits)

Interpersonal Communications examines the ways in which people relate with each other. Relationships in family, work and social contexts will be examined in order

to improve communication skills for satisfying encounters.

Prerequisite: None. IAI Code: None. PCS Code: 1.1. Lecture: 3. Lab: 0.

SPH 202 - Intercultural Communication (3 credits)

Intercultural Communication is a study of communication among people who have different cultural backgrounds. The course will focus on the impact of verbal and nonverbal communications, belief systems, use of power, masculine and feminine roles, and language on intercultural communication. Students will develop communication skills to overcome intercultural barriers.

Prerequisite: None. IAI Code: None. PCS Code: 1.1. Lecture: 3. Lab: 0.

SPH 211 - Group Leadership (3 credits)

Group Leadership is a study of leadership techniques and their interrelationship with group dynamics. Students will participate in varied group analyses and problem-solving discussions.

Prerequisite: None. IAI Code: None. PCS Code: 1.1. Lecture: 3. Lab: 0.

SPN-Modern Language

In which level of foreign language study should a student enroll?

If a student has taken a foreign language in high school within the last three years, use this simple formula:

- Multiply the number of semesters of high school foreign language study by the numeric equivalent of the grade earned (A=4; B=3; C=1; D=0; F=0).
- Then divide the total by 2.
- If the total is:
  0 - 2.5 enroll in 101
  3 - 4.5 enroll in 102
  5 - 9.5 enroll in 203
  10 - 12.5 enroll in 204
  13 - 16 enroll in 205

If students place into a course above 101, they may petition to receive the equivalent college credits for the course or courses they did not have to take at RVC. Upon successful completion (a grade of B or better) of the advanced course, students can request retroactive credit for the lower class. Contact the Modern Languages Department for full details.

SPN 101 - Beginning Spanish (4 credits)

Beginning Spanish emphasizes basic communicative skills in Spanish, including listening, speaking, reading and writing. Students will learn about the culture of selected Spanish-speaking areas.

Prerequisite: None. IAI Code: None. PCS Code: 1.1. Lecture: 4. Lab: 0.

SPN 102 - Continuation of Beginning Spanish (4 credits)

Continuation of Beginning Spanish builds upon and expands the knowledge acquired in Beginning Spanish.

Prerequisite: Successful completion of SPN-101 with a grade of C or higher, or the equivalent by high school credit or proficiency. See above explanation of placement. IAI Code: None. PCS Code: 1.1. Lecture: 4. Lab: 0.

SPN 203 - Intermediate Spanish (3 credits)

Intermediate Spanish is the third semester of Spanish study. Students review and amplify listening, reading, writing, and speaking skills in a cultural context.

Prerequisite: Successful completion of SPN-102 with a grade of C or higher, or the equivalent by high school credit or proficiency. See above explanation of placement. IAI Code: None. PCS Code: 1.1. Lecture: 3. Lab: 0.

SPN 204 - Continuation of Intermediate Spanish (3 credits)

Continuation of Intermediate Spanish builds upon and expands the knowledge acquired in the previous three semesters of Spanish study.

Prerequisite: Successful completion of SPN-203 with a grade of C or higher, or the equivalent by high school credit or proficiency. See above explanation of placement. IAI Code: H1 900. PCS Code: 1.1. Lecture: 3. Lab: 0.

STU-Student Development

STU 100 - Planning for Success (1 credit)

Planning for Success is designed to introduce and connect the student to the RVC community and to assist the student in the active development of academic and personal goals. Students will work with instructors to learn strategies for their transition into college. Students are expected to engage in building the skills needed for college success. Course discussions will include academic preparation, self-awareness, and RVC community resources.

Prerequisite: None. IAI Code: None. PCS Code: 1.1. Lecture: 1. Lab: 0.

STU 101 - Career Planning (2 credits)

Career Planning is designed to help students improve their life/career planning. Participants will acquire skills for discovering who they are, what they want, and how they can reach their goals. At the conclusion of the program, participants should be able to take more control of their lives. Credit earned is elective credit and will apply to graduation and transfer.

Prerequisite: None. IAI Code: None. PCS Code: 1.1. Lecture: 2. Lab: 0.

STU 103 - Workplace Ethics (1 credit)

Workplace Ethics is designed to acquaint students with the importance of good work ethics. Emphasis will be placed on identifying desirable traits to enhance the student's employment readiness including integrity, interpersonal skills, responsibility, professionalism, and effective communication.

Prerequisite: None. IAI Code: None. PCS Code: 1.2. Lecture: 1. Lab: 0.

STU 299 - Service Learning (1-3 credits)

This course teaches the student to apply academic theories about social change through voluntary participation in community service. This class is repeatable three times.

Prerequisite: Instructor consent. IAI Code: None. PCS Code: 1.1. Lecture: 0. Lab: 1-3.

THE-Theatre

THE 133 - Introduction to Theatre (3 credits)

Introduction to Theatre is designed to acquaint students with the theoretical principles of acting, directing, scene design, set construction, costuming, make-up, lighting for the stage, and sound. A survey of theater history and dramatic literature provide a basis for informed critical viewing and for future studies in theater.

Prerequisite: None. IAI Code: F1 907. PCS Code: 1.1. Lecture: 3. Lab: 0.

THE 134 - Stagecraft and Theater Lighting (3 credits)

Stagecraft and Theater Lighting is an introductory course in the principles, procedures, and practices of theatrical production using practical experiences in conjunction with departmental presentations. Basic methods of safe scenery construction, scene painting, lighting equipment, and property building are explored. The class emphasis is on safety in a scenic shop and theater.

Prerequisite: None. IAI Code: TA 911. PCS Code: 1.1. Lecture: 2. Lab: 2.

THE 135 - Acting I (3 credits)

Acting I is an introduction to the basic elements of acting as an art form. The course centers on exercises to develop the expressiveness of the body and voice combined with a study of the mental and emotional processes of the actor. The class emphasis is on basic performance skill development.

Prerequisite: None. IAI Code: TA 914. PCS Code: 1.1. Lecture: 1. Lab: 4.

THE 235 - Acting II (3 credits)

Acting II builds upon the skills developed in the basic acting course. It focuses on the development of characterization skills, communication with other actors on stage, and the ability to handle various styles of dramatic literature. The class emphasizes scene work, character building and character definition with performance outcomes.

Prerequisite: Completion of THE-135 with a passing grade. IAI Code: None. PCS Code: 1.1. Lecture: 1. Lab: 4.

WEB-Web Programming Design

WEB 101 - Programming Related to the Internet (4 credits)

This course is designed for students and professionals interested in learning how to design and develop Web pages and Web sites. The course covers Web design, copyright, and marketing topics, as well as HTML programming and HTML code generators. Additionally, students will learn about Web graphics and scripting languages used to create exciting Web pages.

Prerequisite: Successful completion of CIS-102 with a grade of C or higher, or equivalent computer experience. IAI Code: None. PCS Code: 1.2. Lecture: 3. Lab: 2.

WEB 102 - Advanced Programming Related to the Internet (4 credits)

This course is designed for students and professionals interested in extending their knowledge of Web programming tools. The emphasis of this course is to introduce Web application development. The course includes cascading style sheets, HTML and the latest web technologies. This course also introduces both client and

server-side scripting. This course is offered in the fall term.

Prerequisite: Successful completion of WEB-101 with a grade of C or higher, or equivalent Web development skills. IAI Code: None. PCS Code: 1.2. Lecture: 3. Lab: 2.

WEB 111 - Introduction to Multimedia (3 credits)

Introduction to Multimedia is a course that will acquaint the student with multimedia design principles as well as multimedia creation and manipulation. This class introduces multimedia hardware and software used most often by web developers creating web pages which include multimedia elements.

Prerequisite: Successful completion of WEB-101 with a grade of C or higher. IAI Code: None. PCS Code: 1.2. Lecture: 3. Lab: 0.

WEB 225 - Digital Photography (3 credits)

Digital Photography introduces basic digital imaging applications. Emphasis is placed on color theory, calibration, scanning, enhancement, importing and exporting photographic images. Methods of conversion to digital format will be explored. Appropriate computer software related to subject will be utilized.

Prerequisite: None. IAI Code: None. PCS Code: 1.2. Lecture: 2. Lab: 2.

WEB 233 - Introduction to JavaScript (4 credits)

Introduction to JavaScript is a course designed to educate students in the construction of dynamic websites. Students will be expected to build a website that includes complex programming logic and control structures, as well as a variety of visual effects. This course is offered in the spring term.

Prerequisite: Successful completion of WEB-101 with a grade of C or higher. IAI Code: None. PCS Code: 1.2. Lecture: 3. Lab: 2.

WEB 234 - PHP Programming (4 credits)

PHP Programming will cover the basics of PHP and SQL database design, advanced database connectivity techniques, and focus on building personal, business, and e-commerce applications. Students will learn basic and advanced object-oriented programming techniques, using libraries and frameworks, and integrating PHP and AJAX applications. These are the techniques necessary to prepare students to build server-side enterprise web applications. This course is offered in the fall term.

Prerequisite: Successful completion of WEB-101 with a grade of C or higher. IAI Code: None. PCS Code: 1.2. Lecture: 3. Lab: 2.

WEB 290 - Special Topics in Web Information Technology (1-6 credits)

This course will cover leading edge topics in the Web information technology arena. These special topics might include new server technologies or new web development technologies. This course may often be taught by experts from the business world who work with the technology which the course covers. Exact course requirements are based on the nature of the topics under study. This course may be repeated three times.

Prerequisite: Will vary depending on the course topic. IAI Code: None. PCS Code: 1.2. Lecture: 1-6. Lab: 0.

WEB 291 - Internship/Field Experience (1-6 credits)

Internship/Field Experience requires the student to work part time in the field of Web Development in a local cooperating business firm or not-for-profit organization. This experience will be supervised by a faculty advisor of the Web program. Consent of the advisor or division director is required.

Prerequisite: Successful completion of WEB-101 and WEB-102 with a grade of C or higher. Recommended previous completion of WEB-230, WEB-233 and WEB-235. IAI Code: None. PCS Code: 1.2. Lecture: 0. Lab: 5-30.

WLD-Welding

WLD 100 - Introduction to Welding (3 credits)

Introduction to Welding is designed for beginning welders. It covers the basic theory and provides hands-on lab practice of Shielded Metal Arc Welding (Stick), Gas Metal Arc Welding (MIG), Gas Tungsten Arc Welding (Tig), Oxyfuel (Gas) welding and cutting, plasma arc cutting, and brazing and soldering processes. Special emphasis is placed on welding shop practices and process safety. This course prepares the student to enter the welding skills courses.

Prerequisite: None. IAI Code: None. PCS Code: 1.2. Lecture: 1. Lab: 4.

WLD 150 - Blueprint Reading for Welders (3 credits)

Blueprint Reading for Welders presents an introduction to blueprint reading fundamentals, object representation,

American Welding Society (AWS A2.4) welding symbols, measurement, layout, and related print reading applications found in the welding and fabrication industry. The course is designed for welders or jobs in the welding field, such as welding inspection, metal fabrication, set-up, assemblers and testing.

Prerequisite: None. IAI Code: None. PCS Code: 1.2. Lecture: 3. Lab: 0.

WLD 152 - Arithmetic for Welders (3 credits)

Arithmetic for Welders teaches basic mathematics skills and provides practical exercises useful in the welding field. The topics are presented in a step-by-step approach with examples that broaden understanding of whole numbers, common fractions, decimal fractions, measurement, volume, weight, and bending metal, and percentage and the metric system. A college math class (100 level or higher) can be substituted for WLD-152.

Prerequisite: None. IAI Code: None. PCS Code: 1.2. Lecture: 3. Lab: 0.

WLD 153 - Arc Welding: Flat and Horizontal (3 credits)

Arc Welding: Flat and Horizontal covers Shielded Metal Arc Welding (Stick) on plate in the flat and horizontal position. Safety rules and equipment usage are emphasized. An introduction to oxyacetylene cutting is covered.

Prerequisite: Previous or concurrent enrollment in WLD-100 with a grade of C or higher, or instructor consent. IAI Code: None. PCS Code: 1.2. Lecture: 1. Lab: 4.

WLD 154 - Arc Welding: Vertical (3 credits)

Arc Welding: Vertical covers Shielded Metal Arc Welding (Stick) on plate in the vertical position. Safety rules and equipment usage are emphasized. An introduction to oxyacetylene cutting is covered.

Prerequisite: Successful completion of WLD-100 and WLD-153 with a grade of C or higher, or instructor consent. IAI Code: None. PCS Code: 1.2. Lecture: 1. Lab: 4.

WLD 156 - Arc Welding: Overhead (3 credits)

Arc Welding: Overhead covers Shielded Metal Arc Welding (Stick) on plate in the overhead position. Safety rules and equipment usage will be emphasized. Oxyacetylene cutting will also be covered.

Prerequisite: Successful completion of WLD-100 and WLD-153 with a grade of C or higer; previous or concurrent enrollment in WLD-154 with a C or higher, or instructor consent. IAI Code: None. PCS Code: 1.2. Lecture: 1. Lab: 4.

WLD 157 - M.I.G. Welding (3 credits)

M.I.G. Welding covers Gas Metal Arc Welding (M.I.G. / wire) in all positions on plate. Safety rules and equipment will be emphasized.

Prerequisite: Successful completion of WLD-153 with a grade of C or higher, and previous or concurrent enrollment in WLD-150 with a grade of C or higher, or instructor consent. IAI Code: None. PCS Code: 1.2. Lecture: 1. Lab: 4.

WLD 158 - T.I.G. Welding (3 credits)

T.I.G. Welding covers Gas Tungsten Arc Welding (T.I.G.) in all positions on plate. Safety rules and equipment will be emphasized.

Prerequisite: Successful completion of WLD-153 with a grade of C or higher, and previous or concurrent enrollment in WLD-150 with a grade of C or higher, or instructor consent. IAI Code: None. PCS Code: 1.2. Lecture: 1. Lab: 4.

WLD 159 - Arc Welding: 5G Bellhole/Pipe (3 credits)

Arc Welding: 5G (Bellhole) Pipe covers Shielded Metal Arc Welding (Stick) pipe in the Bellhole (5G) position. Safety rules and equipment are emphasized. Pipe cutting with oxyacetylene will also be covered.

Prerequisite: Successful completion of WLD-156 with a grade of C or higher, or instructor consent. IAI Code: None. PCS Code: 1.2. Lecture: 1. Lab: 4.

WLD 161 - Arc Welding: Arkansas/Pipe (3 credits)

Arc Welding: Arkansas/Pipe covers Shielded Metal Arc Welding (Stick) pipe in the Arkansas Bellhole (6G) position. Safety rules and equipment are emphasized. Pipe cutting with oxyacetylene will also be covered.

Prerequisite: Successful completion of WLD-156 with a grade of C or higher, or instructor consent. IAI Code: None. PCS Code: 1.2. Lecture: 1. Lab: 4.

WLD 168 - Advanced GTAW (3 credits)

Advanced GTAW covers Gas Tungsten Arc Welding (T.I.G.) theory, practice and joint preparation of Stainless

Steel and Aluminum joints in various positions. Safety, inspection, equipment selection and settings will be emphasized. Guided bend tests and visual inspection will be used to assess weld integrity.

Prerequisite: Successful completion of WLD-158 with a grade of C or higher, or instructor consent. IAI Code: None. PCS Code: 1.2. Lecture: 1. Lab: 4.

WLD 172 - Welding Fabrication (3 credits)

Welding Fabrication is designed to introduce basic skills involved in the welding fabrication industry. The class will involve design, layout, tools, forming, drilling, measuring and inspection techniques. Safety rules and equipment use will be emphasized.

Prerequisite: Successful completion of WLD-150, WLD-152, WLD-157, and WLD-158 with a grade of B or higher, or instructor consent. IAI Code: None. PCS Code: 1.2. Lecture: 1. Lab: 4.

WLD 175 - Certification Qualification Preparation (3 credits)

Certification Qualification Preparation is designed to prepare an experienced welder for an A.W.S. D1.1 qualification test on plate and pipe in the 5G or 6G positions. A.W.S. standards will be followed. The requirements for maintenance of certification will be discussed. Safety rules and equipment usage are emphasized. An introduction to oxyacetylene cutting is covered. This course may be taken three times.

Prerequisite: Previous or concurrent enrollment in WLD-100, WLD-153, WLD-154, and WLD-156 with a grade of C or higher, or consent of the Welding Chair. IAI Code: None. PCS Code: 1.2. Lecture: 1. Lab: 4.

WLD 180 - Independent Study in Welding (1-5 credits)

Independent Study in Welding allows students to develop specific course goals and objectives based on their needs and previous welding experience. Students will work with the welding instructor to determine course goals.

Prerequisite: Industrial experience or completion of welding courses in the processes area of study, and consent of Welding Academic Chair. IAI Code: None. PCS Code: 1.2. Lecture: 1-2. Lab: 1-6.

WLD 181 - Special Topics Welding (1-3 credits)

Special Topics Welding is for Advanced Welding students and designed to satisfy topics or special interest in a particular area of welding. Topics will vary from semester to semester. This course may be repeated three times.

Prerequisite: Instructor consent required. IAI Code: None. PCS Code: 1.2. Lecture: 1-3. Lab: 1-4.

WLD 183 - Robotic Welding (3 credits)

Robotic Welding provides students with the basic operations of industrial robot using the teach pendant. The course covers the tasks that the student needs to setup, record, and troubleshoot programs. Students will be prepared to earn robotic operator certificates, such as Festo Robotics 1 NC3, Fanuc. Writing assignments, as appropriate to the discipline, are part of the course.

Prerequisite: Successful completion of WLD-100, or MEC-130 and MEC-131 with a grade of C or higher, or instructor consent. IAI Code: None. PCS Code: 1.2. Lecture: 1. Lab: 4.