

## Fall Quarter 2018 Class Schedule

Updated 10/17/2018 7:00:00 AM

### ACCOUNTING

#### ACCT& 201 PRINCIPLES OF ACCOUNTING I

Covers fundamentals of accounting theory and practice, including a study of the accounting cycle, and the use of special journals. Focus is on double entry accounting system and financial statement preparation. Covers transactions for a business organized as a sole proprietorship and their effects on balance sheet accounts. Prerequisite: ACTG 115 or Instructor approval.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4972	5 Cr	ARRANGED	ARRANGED	09/24/18-12/10/18	ON LINE	Dorum, Lucy	ONLINE

#### ACCT& 202 PRINCIPLES OF ACCOUNTING II

Covers fundamentals of accounting theory and practice continued from ACCT& 201. Focus is on issues related to businesses organized as a partnership or corporation and their effects on balance sheet accounts. Also covers investment, dissolution, and distribution of income. Prerequisite: ACCT& 201. oval.

Additional Fee: 24.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4982	5 Cr	11:00AM-11:50AM	TWThF	09/25/18-12/11/18	11 144	Cooke, Suzann	

#### ACCT& 203 PRINCIPLES OF ACCOUNTING III

Introduces the theory of cost accounting and an analysis of accounting data as a part of the managerial process of planning, decision-making, and control. Emphasis is given to job order, process and standard cost accounting data, and the preparation and use of budgets and internal control reports nECEssary for making economic decisions for manufacturing businesses. Prerequisite: ACCT& 201 Prerequisite(s): Successful completion of ACCT& 201 or instructor approval.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
49B2	5 Cr	ARRANGED	ARRANGED	09/24/18-12/10/18	ON LINE	Dorum, Lucy	ONLINE

#### ACTG 110 BOOKKEEPING I

Introduces fundamental principles of full-cycle, double-entry accounting, including maintaining journals, ledgers, and banking records to prepare basic financial statements for service and retail businesses organized as sole proprietorships or partnerships. Covers basics of payroll accounting and payroll tax reports. Explores the concepts and terminology required to perform specific accounting functions accurately. Prerequisite(s): Accuplacer score equivalent to completion of MAT 092 and ENG 091 (minimum reading/writing combined score of 245) or equivalent or higher, or instructor approval.

Instructor Permission required.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
-------------	-------------	--------------	-------------	------------------------	-----------------	----------------	-----------------

4912	4 Cr	ARRANGED		ARRANGED 09/24/18-11/01/18	ON LINE	Dorum, Lucy	ONLINE
4902	4 Cr	9:00AM-10:50AM	TWThF	09/25/18-11/01/18	11 144	Dorum, Lucy	HYBRID

### ACTG 115 BOOKKEEPING II

Introduces continued principles of full cycle, double-entry accounting. Covers specialty issues such as uncollectible accounts, depreciation, inventory, notes, interest, accruals, and end-of-period work for corporations. Explores concepts and terminology required to perform specific accounting functions accurately. Prerequisite(s): Successful completion of ACTG 110.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4932	4 Cr	ARRANGED		ARRANGED 11/05/18-12/10/18	ON LINE	Dorum, Lucy	ONLINE
4922	4 Cr	9:00AM-10:50AM	TWThF	11/06/18-12/10/18	11 144	Dorum, Lucy	HYBRID

### ACTG 120 ELECTRONIC BUSINESS MATH

Covers business math applications, including payroll, percentages, merchandising, consumer credit, simple and compound interest, prorating, stocks and bonds, and the metric system, using keyboard functions and the touch method of electronic calculator operation. Prerequisite(s): Accuplacer score equivalent to completion of MAT 092 and ENG 091 (minimum reading/writing combined score of 245) or equivalent or higher, or instructor approval.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4942	Var	ARRANGED		ARRANGED 09/24/18-12/10/18	ON LINE	Dorum, Lucy	ONLINE

### ACTG 135 ACCOUNTING SPREADSHEETS I

Introduces electronic spreadsheets (Microsoft Office Excel). Covers creating business forms and spreadsheets to prepare financial statements. Prerequisite(s): Successful completion of CAS 115, CAS 121 or instructor approval. Concurrent with ACTG 110 or instructor approval.

Additional Fee: 24.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4952	Var	11:00AM-11:50AM	TWF	09/25/18-12/10/18	11 127	Dorum, Lucy	HYBRID

### ACTG 160 PAYROLL & BUSINESS TAXES

Provides practice in all payroll operations, the recording of accounting entries involving payroll, and the preparation of required payroll and business tax returns. Covers the concepts, laws, and terminology required to perform specific payroll accounting functions. Prerequisite(s): Successful completion of ACTG 110 or instructor approval.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4962	5 Cr	ARRANGED		ARRANGED 09/24/18-12/10/18	ON LINE	Dorum, Lucy	ONLINE

### ACTG 212 PRINCIPLES OF ACCOUNTING II LAB

Provides instructional activities that support material covered in ACCT& 202 in a supervised lab environment. Concurrent with ACCT& 202. Prerequisite(s): Successful completion of ACTG 211 and 135 or instructor approval. Co-requisites: ACCT& 202

Additional Fee: 14.70

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4992	3 Cr	12:00PM-12:50PM	W	09/26/18-12/05/18	11 144	Cooke, Suzann	

### ACTG 224 FUNDAMENTALS OF FUND/GOVERNMENTAL ACCOUNTING

Introduces the fundamentals of accounting theory and practice of government/nonprofit accounting, including a study of accounting methods; the reasons for and the use of the various funds; the purpose and use of budgets in this field of accounting; and the differences between generally accepted accounting

principles, GASB standards, and fund/governmental accounting. Prerequisite(s): Successful completion of ACTG 115 and ACCT& 201 or instructor approval.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
49A2	5 Cr	ARRANGED	ARRANGED	09/24/18-12/11/18	ON LINE	Cooke, Suzann	ONLINE

### **ACTG 260 BUSINESS OFFICE I**

Provides an opportunity for students to experience and participate in a realistic office environment by providing financial statements, completing financial examinations, preparing payroll, and furnishing other similar financial accounting work products to the public. Prerequisite(s): Successful completion of ACTG 143, ACTG 235, CAS 121, and ACCT& 201, or instructor approval.

Additional Fee: 24.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
49C2	5 Cr	12:00PM-2:00PM	TWThF	09/24/18-12/07/18	11 144	Cooke, Suzann	HYBRID

### **ACTG 262 BUSINESS OFFICE II**

Provides an opportunity for students to experience and participate in a realistic office environment by providing financial statements, completing financial examinations, preparing payroll, and furnishing other similar financial accounting work products to the public. Prerequisite(s): Successful completion of ACTG 260, 143, ACTG 235, CAS 121, and ACCT& 201, or instructor approval.

Additional Fee: 24.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
49G2	5 Cr	12:00PM-2:00PM	TWThF	09/24/18-12/07/18	11 144	Cooke, Suzann	HYBRID

### **ACTG 271 INTERNSHIP I**

Provides students with practical on-the-job field experience. Program offers students a way to combine classroom study with related work experience under the supervision of an employer. Work experience must be related to the student's educational and career objectives. Must be approved by the instructor. Prerequisite(s): Instructor approval.

Instructor Permission required.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
49L2	5 Cr	ARRANGED	ARRANGED	09/24/18-12/12/18	ARR	Cooke, Suzann	

### **ACTG 291 INDIVIDUAL INCOME TAX ACCOUNTING**

Continues the study of the fundamentals of individual income tax accounting theory and practice, including a detailed study of the rules and regulations for preparation of the most common forms and schedules, preparation of these forms and schedules, tax laws in the United States, and the differences between generally accepted accounting principles and income-tax accounting. Prerequisite(s): Successful completion of ACTG 222 and ACCT& 201, or instructor approval. Concurrent with ACTG 293.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
49J2	5 Cr	ARRANGED	ARRANGED	09/24/18-12/13/18	ON LINE	Cooke, Suzann	ONLINE
49D2	5 Cr	9:00AM-10:30AM	TWThF	09/25/18-12/13/18	11 127	Cooke, Suzann	HYBRID

### **ACTG 293 INDIVIDUAL INCOME TAX ACCOUNTING LAB**

Provides a supervised setting, with instructional support, to apply understanding of federal individual income-tax rules and regulations to specific tax problems. Prerequisite(s): Successful completion of ACTG 222 and ACCT& 201, or instructor approval. Concurrent with ACTG 291.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
49K2	5 Cr	ARRANGED	ARRANGED	09/24/18-12/13/18	ON LINE	Cooke, Suzann	ONLINE
49F2	5 Cr	10:30AM-11:50AM	TWThF	09/25/18-12/12/18	11 127	Cooke, Suzann	HYBRID

## **BUS& 201 BUSINESS LAW**

Introduces students to business law as it applies to the business world through the Uniform Commercial Code. Examines legal institutions and processes, legal reasoning, and the interaction of law and business. Laws pertaining to business contracts, sales, bailments, commercial paper, employment, agency, business organization, insurance, and property are reviewed. Prerequisite(s): Successful completion of ACTG 115 or instructor approval.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
49H2	5 Cr	ARRANGED		ARRANGED 09/24/18-12/13/18	ON LINE	Cooke, Suzann	ONLINE

# **AEROSPACE COMPOSITE**

## **ACM 105 BASIC MATHEMATICS; BASIC PHYSICS; WEIGHT & BALAN**

Understand the scientific principles that apply to the operation of aircraft, engines, and the equipment that Advanced Composite Manufacturers will be in daily contact with. Students will develop a comprehensive understanding of the importance of weight and balance to aircraft safety, and make all of the required calculations for weight and balance checks, equipment changes, extreme loading checks, and the addition of ballast.

Additional Fee: 76.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
0902	5 Cr	4:00PM-8:15PM	MTWTh	09/24/18-12/14/18	SHC115	Mensonides, J	

## **ACM 110 BLUEPRINTS, DRAWINGS, AND PRECISION MEASURING**

Determine and identify dimensions of a part from drawings, including orthographic and isometric projections. Sketch objects/parts in either orthographic or isometric views.

Additional Fee: 71.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
0912	4 Cr	4:00PM-8:15PM	MTWTh	09/24/18-12/14/18	SHC115	Mensonides, J	

## **ACM 115 MATERIALS AND PROCESSES/LAB & EQUIPMENT SAFETY**

Students will identify and determine the proper use of fasteners, demonstrate a basic understanding of aircraft hardware identification and terminology, learn about lab safety and the proper use of tools, calculate/apply torque values, and perform precision measurements.

Additional Fee: 76.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
0922	5 Cr	4:00PM-8:15PM	MTWTh	09/24/18-12/14/18	SHC115	Mensonides, J	

## **ACM 120 COMPOSITE FABRICATION**

ACM 120 COMPOSITE FABRICATION 4CR Learn manufacturing methods and processes commonly used for the fabrication of composite materials. Instruction includes material choices, fabrication techniques, material handling, and safety procedures. Prerequisite(s): Successful completion of ACM 105, ACM 110, and ACM 115 (GPA 2.0 or better).

Additional Fee: 71.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
0932	4 Cr	4:00PM-8:15PM	DAILY	09/24/18-12/14/18	SHC119	Conway, Jacki	

### **ACM 125 COMPOSITE ASSEMBLY**

Identify and use appropriate materials and processes to assemble structures made of composite materials. Includes room temperature and elevated temperature bonding, drilling, countersinking, and installing mechanical fasteners and potted fasteners. Prerequisite(s): Successful completion of ACM 105, ACM 110, and ACM 115 (GPA 2.0 or better).

Additional Fee: 71.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
0942	4 Cr	4:00PM-8:15PM	DAILY	09/24/18-12/14/18	SHC119	Conway, Jacki	

### **ACM 130 COMPOSITE REPAIR**

Inspect, test, and repair composite structures. This course explains how imperfections affect composite properties and provides hands-on training for the repair of defects. Prerequisite(s): Successful completion of ACM 105, ACM 110, ACM 115 (GPA 2.0 or better).

Additional Fee: 71.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
0952	4 Cr	4:00PM-8:15PM	DAILY	09/24/18-12/14/18	SHC119	Conway, Jacki	

### **ACM 145 SPECIAL PROJECTS**

Develops skills in print reading, project planning, layout, distortion control, fixturing, and other fabrication techniques. Students will have the opportunity to apply knowledge to projects of personal interest and/or as assigned. Prerequisite(s): Successful completion of ACM 105, ACM 110, and ACM 115 (GPA 2.0 or better).

Additional Fee: 66.70

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
0962	3 Cr	4:00PM-8:15PM	DAILY	09/24/18-12/14/18	SHC119	Conway, Jacki	

## **AMERICAN SIGN LANGUAGE**

### **ASL& 121 AMERICAN SIGN LANGUAGE I**

Informs students about deafness, deaf culture, the deaf community, and American Sign Language. Learn to communicate both expressively and receptively in American Sign Language in basic conversation situations. Prerequisite(s): Appropriate Accuplacer (reading/writing combined score of 277 or equivalent) or successful completion of ENG 094.

Additional Fee: 24.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
0502	Var	2:00PM-4:30PM	MW	09/24/18-12/12/18	17 240	Wilson, Jaime	HYBRID

## **ARCHITECTURAL ENGINEERING DESIGN**

### **ARC 122 RESIDENTIAL DRAFTING AND DESIGN I**

Overview of the design industry, construction procedures, codes, guidelines and standards, elements and principles of design, spatial concepts, and energy efficiency in design. Prerequisite(s): Successful completion of ENG 091 and MAT 092, or instructor approval.

Additional Fee: 53.70

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
6302	Var	8:00AM-9:50AM	TTh	09/25/18-12/13/18	19 201	Bushnell, Pop	ENHANCED

### **ARC 126 RESIDENTIAL DESIGN & DRAFTING 111**

Overview of specialized construction documents: exterior elevations; cabinet and interior elevations; building sections; wall details; stair plans, elevations and details; and fireplace elevations. Prerequisite(s): Successful completion of ARC 124, or instructor approval.

Additional Fee: 53.70

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
6332	5 Cr	11:30AM-12:20PM	MW	09/24/18-12/12/18	19 201	Bushnell, Pop	ENHANCED

### **ARC 144 DETAILING AND LIGHT CONSTRUCTION**

Students will be introduced to concepts and common terminology used in light wood-framed construction. Students will produce standard details of structural design for residential applications, using CAD software. Prerequisite(s): Successful completion of ARC 124, or instructor approval.

Additional Fee: 53.70

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
6342	5 Cr	10:00AM-10:50AM	MW	09/24/18-12/12/18	19 203	Lunceford, Ce	ENHANCED

### **ARC 171 DRAFTING TECHNOLOGIES I**

Basic manual drafting skills; architectural lines, text and layers; isometric drawings; orthographic and Multiview projections; and roof plan layout and components. Prerequisite(s): Successful completion of ENG 091 and MAT 092, or instructor approval.

Additional Fee: 53.70

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
6312	Var	8:00AM-9:50AM	MW	09/24/18-12/12/18	19 201	Bushnell, Pop	ENHANCED

### **ARC 182 INTRO TO CAD DRAFTING**

An introduction to CAD software. Students will learn to utilize the fundamentals of CAD software to produce basic architectural drawings. Prerequisite(s): Successful completion of ENG 091 and MAT 092, or instructor approval.

Additional Fee: 53.70

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
6322	Var	10:00AM-11:50AM	TTh	09/25/18-12/13/18	19 203	Lunceford, Ce	ENHANCED

### **ARC 223 DESIGN PROJECT I**

Project management and design of basic architectural drafting project. Project includes one-story house and placement on a subdivision lot, conforming to regulatory codes and established schedules. Production of a complete set of computer-drafted and engineered construction drawings. Give effective oral reports of progress. Lab hours arranged. Prerequisites: ARC 173, ARC 181.

Additional Fee: 53.70

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
63D2	5 Cr	10:30AM-11:20AM	T	09/25/18-12/11/18	19 201	Bushnell, Pop	ENHANCED

### **ARC 227 SPECIAL INTERN PROJECT**

Complete the written Work-Based Learning Experience Plan. Prerequisites: Instructor permission required. Instructor Permission required.

Additional Fee: 53.70

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
63A2	5 Cr	ARRANGED		ARRANGED 09/24/18-12/12/18	ARR	Bushnell, Pop	

### **ARC 229 SPECIAL DESIGN PROJECT**

Complete special design project as approved by the Instructor to aid in realistic training. Lab hours arranged. Prerequisites: ARC 225, ARC 231, ARC 281.

Additional Fee: 53.70

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
63B2	5 Cr	2:00PM-2:50PM	M	09/24/18-12/10/18	19 203	Lunceford, Ce	ENHANCED

### **ARC 255 EMPLOYMENT RESEARCH**

Basic job-seeking skill activities, including resume preparation, employer contacts, and employment opportunities. Note: 634J is an I-Best course.

Additional Fee: 34.10

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
6372	1 Cr	10:30AM-11:20AM	Th	09/27/18-11/01/18	19 201	Bushnell, Pop	ENHANCED

### **ARC 282 INTRODUCTION TO BUILDING INFORMATION MODELING**

Use current industry-standard architectural 3D software application to produce three-dimensional building models and production drawings. Explores integration of building systems in a three-dimensional virtual environment. Prerequisite(s): Successful completion of ARC 262, or instructor approval.

Additional Fee: 53.70

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
6352	5 Cr	1:00PM-1:50PM	MW	09/24/18-12/12/18	19 203	Lunceford, Ce	ENHANCED

### **ARC 286 ADVANCED BUILDING INFORMATION MODELING**

Using current industry-standard architectural 3D software, students will create software families. Manage both two-dimensional and three-dimensional information within the program family through use of parameters. Prerequisite(s): Successful completion of ARC 282, or instructor approval.

Additional Fee: 53.70

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
6382	5 Cr	11:30AM-12:20PM	TTh	09/25/18-12/13/18	19 203	Lunceford, Ce	ENHANCED

### **ARC 288 APPLIED CADD**

Use current industry-standard 3D software applications (i.e. ' Revit, SketchUp, Civil3D) to create or modify a design. Produce production drawings. Save, print, or transmit drawings to industry-standard applications. Prerequisite(s): Successful completion of ARC 262, 223 and ARC 282, or instructor approval.

Additional Fee: 53.70

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
63C2	5 Cr	3:00PM-3:50PM	MW	09/24/18-12/12/18	19 203	Lunceford, Ce	ENHANCED

### **ARC 293 ENGINEERING STATICS**

Students will apply basic engineering used in the building design field: equilibrium, loads and reactive forces, shear and bending in structures, and wood spanning elements. Prerequisite(s): Successful completion of ARC 191 and MAT 099 or higher, or instructor approval.

Additional Fee: 53.70

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
6392	5 Cr	1:00PM-2:50PM	TTh	09/25/18-12/13/18	19 201	Bushnell, Pop	ENHANCED

# ART

## **ART& 100 ART APPRECIATION**

Introduction to the diversity of the art world from ancient civilizations to contemporary society. A discussion of art terminology and methods will be covered in an overview of art materials and techniques.

Prerequisite(s): Appropriate Accuplacer (283 in reading) score or equivalent; or successful completion of ENG 094 is required.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
0501	Var	ARRANGED	ARRANGED	09/24/18-12/12/18	ON LINE	Rendal, Cami	ONLINE

# AUTOMOTIVE COLLISION TECHNICIAN

## **IAUT 104 INTRODUCTION TO AUTOMOTIVE ELECTRICAL**

This course is an introduction to automotive electrical systems. Students will learn electrical theory, basic electrical testing equipment and procedures, determine circuit resistance, current flow and voltage using Ohms law, proper wire splicing and repairs, and identification of electrical system components. Co-requisite: IAUT 102, IAUT 115, IAUT 130 AND IAUT 139.

Instructor Permission required.

Additional Fee: 69.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
9612	4 Cr	7:30AM-1:50PM	DAILY	09/24/18-12/14/18	03 402	Vargo, Alan	

## **IAUT 105 INTRODUCTION TO AUTOMOTIVE TECHNOLOGY**

Instructor Permission required.

Additional Fee: 69.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
9602	4 Cr	7:30AM-1:50PM	DAILY	09/24/18-12/14/18	03 402	Vargo, Alan	
96G2	Var	3:00PM-5:45PM	MTWTh	09/24/18-12/12/18	03 401	Chinery, Tod	

## **IAUT 115 INTRO TO AUTOMOTIVE STEERING, SUSPENSION & BRAKE**

This course is an introduction to automotive steering, suspension and braking systems. Students will learn to identify steering and suspension components, properly use appropriate lifting and supporting methods, identify worn or damaged components, understand the function of the brake system, and perform proper tubing flaring procedures. Co-requisites: IAUT 102, IAUT 104, IAUT 130 AND IAUT 139.

Instructor Permission required.

Additional Fee: 74.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
9622	5 Cr	7:30AM-1:50PM	DAILY	09/24/18-12/14/18	03 402	Vargo, Alan	

## **IAUT 130 AUTOMOTIVE HVAC**

This course is an introduction to automotive HVAC systems. Students will learn to identify HVAC system



components, determine proper refrigerant type, diagnose common HVAC symptoms, and locate, identify, and describe the function of the various air-conditioning components. Co-requisite: IAUT 102, IAUT 104, IAUT 115, AND IAUT 139.

Instructor Permission required.

Additional Fee: 59.80

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
9632	2 Cr	7:30AM-1:50PM	DAILY	09/24/18-12/14/18	03 402	Vargo, Alan	

### **IAUT 140 BASIC AUTOMOTIVE WELDING**

Instructor Permission required.

Additional Fee: 69.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
9642	4 Cr	7:30AM-1:50PM	DAILY	09/24/18-12/14/18	03 402	Vargo, Alan	
96H2	Var	3:00PM-5:45PM	MTWTh	09/24/18-12/12/18	03 401	Chinery, Tod	

### **ACT 102 FUNDAMENTALS OF COLLISION REPAIR**

Explores career safety, industry certifications, vehicle construction, and an overview of the career field. Prerequisite(s): Successful completion of IAUT 102, IAUT 104, IAUT 115, IAUT 130, and IAUT and 139.

Instructor Permission required.

Additional Fee: 46.95

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
9652	3 Cr	7:30AM-1:50PM	DAILY	09/24/18-12/12/18	03 301	Freeman, Kurt	

### **ACT 106 BODY SHOP EQUIPMENT**

Covers operating hand tools, power tools, and shop equipment. Explores air systems and their design and function. Prerequisite(s): Successful completion of IAUT 102, IAUT 104, IAUT 115, IAUT 130, and IAUT and 139.

Instructor Permission required.

Additional Fee: 46.95

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
9662	3 Cr	7:30AM-1:50PM	DAILY	09/24/18-12/12/18	03 301	Freeman, Kurt	

### **ACT 110 WELDING, HEA, AND CUTTING**

Covers the skills of welding, heating, and cutting as they relate to the collision industry. Prerequisite(s): Successful completion of IAUT 102, IAUT 104, IAUT 115, IAUT 130, and IAUT and 139.

Instructor Permission required.

Additional Fee: 51.85

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
9672	4 Cr	7:30AM-1:50PM	DAILY	09/24/18-12/12/18	03 301	Freeman, Kurt	

### **ACT 115 PLASTIC/SMC REPAIR**

Explores plastic, fiberglass and SMC repairs as they relate to the collision industry. Prerequisite(s): Successful completion of IAUT 102, IAUT 104, IAUT 115, IAUT 130, and IAUT and 139.

Instructor Permission required.

Additional Fee: 51.85

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
9682	4 Cr	7:30AM-1:50PM	DAILY	09/24/18-12/12/18	03 301	Freeman, Kurt	

## **ACT 120 GLASS, TRIM & HARDWARE**

Covers the practical skills used to repair and replace door locks and windows and to repair water leaks on car and truck bodies, interior parts, and door skin. Prerequisite(s): Successful completion of IAUT 102, IAUT 104, IAUT 115, IAUT 130, and IAUT and 139.

Instructor Permission required.

Additional Fee: 56.75

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
9692	5 Cr	7:30AM-1:50PM	DAILY	09/24/18-12/12/18	03 301	Freeman, Kurt	

## **ACT 125 INTRODUCTION TO METAL STRAIGHTENING**

Introduces basic body-panel straightening techniques. Prerequisite(s): Successful completion of IAUT 102, IAUT 104, IAUT 115, IAUT 130, and IAUT and 139.

Instructor Permission required.

Additional Fee: 46.95

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
96A2	3 Cr	7:30AM-1:50PM	DAILY	09/24/18-12/12/18	03 301	Freeman, Kurt	

## **ACT 145 COLLISION ESTIMATING**

Covers collision damage estimating, reviewing work orders, and acquiring work skills for job success. Prerequisite(s): Successful completion of IAUT 102, IAUT 104, IAUT 115, IAUT 130, and IAUT and 139.

Instructor Permission required.

Additional Fee: 56.75

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
96B2	5 Cr	7:30AM-1:50PM	DAILY	09/24/18-12/12/18	03 301	Richards, G	

## **ACT 151 REFINISH EQUIPMENT PREPARATION**

Covers paint-shop equipment and painting fundamentals. Prerequisite(s): Successful completion of IAUT 102, IAUT 104, IAUT 115, IAUT 130, and IAUT and 139.

Instructor Permission required.

Additional Fee: 61.65

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
96C2	6 Cr	7:30AM-1:50PM	DAILY	09/24/18-12/12/18	03 301	Richards, G	

## **ACT 156 PRE-PRIME PREPARATION**

Explores corrosion protections and vehicle refinish preparation. Prerequisite(s): Successful completion of IAUT 102, IAUT 104, IAUT 115, IAUT 130, and IAUT and 139.

Instructor Permission required.

Additional Fee: 56.75

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
96D2	5 Cr	7:30AM-1:50PM	DAILY	09/24/18-12/12/18	03 301	Richards, G	

## **ACT 157 POST-PRIME PREPARATION**

Explores final preparations, blocking, and final sanding for application of topcoat. Prerequisite(s): Successful completion of IAUT 102, IAUT 104, IAUT 115, IAUT 130, and IAUT and 139.

Instructor Permission required.

Additional Fee: 56.75

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
96F2	5 Cr	7:30AM-1:50PM	DAILY	09/24/18-12/12/18	03 301	Richards, G	

# **AUTOMOTIVE RESTORATION AND CUSTOMIZATION**

## **ARCF 103 FUNDAMENTALS OF SHOP EQUIPMENT**

Covers shop safety, fundamentals of tool use, and proper use of shop equipment. Prerequisite(s): Successful completion of IAUT 102, IAUT 104, IAUT 115, IAUT 130, and IAUT and 139.

Instructor Permission required.

Additional Fee: 46.95

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
1702	3 Cr	7:30AM-1:50PM	DAILY	09/24/18-12/12/18	03 307	Freeman, Kurt	

## **ARCF 109 WELDING & METAL SKILLS**

Covers welding, heating, and cutting techniques using MIG and oxyacetylene equipment. Students will learn safe handling and correct metal-forming techniques of sheet metal. Prerequisite(s): Successful completion of IAUT 102, IAUT 104, IAUT 115, IAUT 130, and IAUT and 139.

Instructor Permission required.

Additional Fee: 51.85

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
1712	4 Cr	7:30AM-1:50PM	DAILY	09/24/18-12/12/18	03 307	Freeman, Kurt	

## **ARCF 114 BASIC REPAIRS AND ASSEMBLY**

Covers basic repair and assembly procedures for bolt-on body components. Prerequisite(s): Successful completion of IAUT 102, IAUT 104, IAUT 115, IAUT 130, and IAUT and 139.

Instructor Permission required.

Additional Fee: 71.45

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
1722	8 Cr	7:30AM-1:50PM	DAILY	09/24/18-12/12/18	03 307	Freeman, Kurt	

## **ARCF 119 CUSTOM FABRICATION**

Explores basic customizing techniques used on original factory parts, as well as fabrication of custom parts. Prerequisite(s): Successful completion of IAUT 102, IAUT 104, IAUT 115, IAUT 130, and IAUT 139.

Instructor Permission required.

Additional Fee: 61.65

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
1732	6 Cr	7:30AM-1:50PM	DAILY	09/24/18-12/12/18	03 307	Freeman, Kurt	

## **ARCF 124 REFINISHING EQUIPMENT**

Explores refinishing equipment use and maintenance. Prerequisite(s): Successful completion of IAUT 102, IAUT 104, IAUT 115, IAUT 130, and IAUT 139.

Instructor Permission required.

Additional Fee: 51.85

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
1742	4 Cr	7:30AM-1:50PM	DAILY	09/24/18-12/12/18	03 306	Richards, G	

### **ARCF 129 REFINISH PREPARATION**

Explores corrosion protection and vehicle refinish preparation. Prerequisite(s): Successful completion of IAUT 102, IAUT 104, IAUT 115, IAUT 130, and IAUT 139.

Instructor Permission required.

Additional Fee: 66.55

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
1752	7 Cr	7:30AM-1:50PM	DAILY	09/24/18-12/12/18	03 306	Richards, G	

### **ARCF 130 ADVANCED PAINT APPLICATION**

Covers application of advanced masking, topcoat shading, and graphics on a restoration or custom project. Prerequisite(s): Successful completion of IAUT 102, IAUT 104, IAUT 115, IAUT 130, and IAUT 139.

Instructor Permission required.

Additional Fee: 61.65

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
1762	Var	7:30AM-1:50PM	DAILY	09/24/18-12/12/18	03 306	Richards, G	

### **ARCF 133 FIBERGLASS/COMPOSITES TECHNIQUES**

Further develop skills in customizing techniques used on original factory parts, as well as fabrication of custom parts. Prerequisite(s): Successful completion of IAUT 102, IAUT 104, IAUT 115, IAUT 130, and IAUT 139.

Instructor Permission required.

Additional Fee: 61.65

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
1772	6 Cr	7:30AM-1:50PM	DAILY	09/24/18-12/12/18	03 307	Freeman, Kurt	

### **ARCF 134 CUSTOM REFINISHING**

Covers topcoat, clear coat, and custom refinishing. Prerequisite(s): Successful completion of IAUT 102, IAUT 104, IAUT 115, IAUT 130, and IAUT 139.

Instructor Permission required.

Additional Fee: 61.65

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
1782	6 Cr	7:30AM-1:50PM	DAILY	09/24/18-12/12/18	03 306	Richards, G	

### **ARCF 141 SURFACE IMPERFECTIONS/SHOW AND SHINE**

Covers paint-application problem-solving and show detailing. Prerequisite(s): Successful completion of IAUT 102, IAUT 104, IAUT 115, IAUT 130, and IAUT 139.

Instructor Permission required.

Additional Fee: 51.85

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
1792	4 Cr	7:30AM-1:50PM	DAILY	09/24/18-12/12/18	03 306	Richards, G	

### **ARCF 154 AUTOMOTIVE RESTORATION & CUSTOM LAB**

Finish projects and competencies in restoration and/or customizing. Nine credits in summer quarter; variable credit other three quarters. Prerequisite(s): Successful completion of IAUT 102, IAUT 104, IAUT

115, IAUT 130, and IAUT 139.

Instructor Permission required.

Additional Fee: 76.35

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
17A2	9 Cr	7:30AM-1:50PM	DAILY	09/24/18-12/12/18	03 307	Freeman, Kurt	

### **ARCF 159 METAL STRENGTHENING AND SHAPING**

Metal straightening and shaping techniques on a custom or restoration project. Prerequisite(s): Successful completion of IAUT 102, IAUT 104, IAUT 115, IAUT 130, and IAUT 139.

Instructor Permission required.

Additional Fee: 61.65

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
17B2	Var	7:30AM-1:50PM	DAILY	09/24/18-12/12/18	03 307	Freeman, Kurt	

### **ARCF 167 CUSTOM PAINT APPLICATION**

Covers application of custom masking, topcoat shading and graphics. Prerequisite(s): Successful completion of IAUT 102, IAUT 104, IAUT 115, IAUT 130, and IAUT 139.

Instructor Permission required.

Additional Fee: 46.95

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
17C2	3 Cr	7:30AM-1:50PM	DAILY	09/24/18-12/12/18	03 306	Richards, G	

### **ARCF 168 APPLIED METAL SKILLS**

Covers application of previously acquired metal skills as they relate to the student's project work. Prerequisite(s): Successful completion of IAUT 102, IAUT 104, IAUT 115, IAUT 130, and IAUT 139.

Instructor Permission required.

Additional Fee: 46.95

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
17D2	3 Cr	7:30AM-1:50PM	DAILY	09/24/18-12/12/18	03 307	Freeman, Kurt	

### **ARCF 170 CUSTOM REFINISHING - SPECIAL PROJECTS**

Develop skills in advanced custom and/or restoration techniques. Students will have the opportunity to apply knowledge to projects of personal interest, as assigned, and/or job shadowing. Prerequisite(s): Successful completion of IAUT 102, IAUT 104, IAUT 115, IAUT 130, and IAUT 139.

Instructor Permission required.

Additional Fee: 61.65

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
17F2	Var	7:30AM-1:50PM	DAILY	09/24/18-12/12/18	03 307	Freeman, Kurt	

## **AUTOMOTIVE TECHNICIAN**

### **AUT 147 AUTOMOTIVE SUSPENSION AND STEERING**

This module covers theory, diagnosis, and repair of SLA suspension systems, strut suspension systems, parallelogram steering systems, rack and pinion steering systems, rear suspension systems, and

computer-controlled suspension systems. 2.3 GPA. Co-requisites: AUT 149, AUT 157.

Instructor Permission required.

Additional Fee: 61.65

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4632	6 Cr	7:30AM-1:50PM	DAILY	09/24/18-12/12/18	03 701	Smith, Michea	

### **AUT 149 AUTOMOTIVE SUSPENSION STEERING& WHEEL ALIGNMENT**

Theory and troubleshooting of front suspension systems, steering systems, rear suspension systems, and computer-controlled systems. This course will also cover basic wheel alignment, including two- and four-wheel alignment. Prerequisite(s): Must have required tools and textbooks. Co-requisites: AUT 147, AUT 157.

Instructor Permission required.

Additional Fee: 66.55

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4642	7 Cr	7:30AM-1:50PM	DAILY	09/24/18-12/12/18	03 701	Smith, Michea	

### **AUT 157 AUTOMOTIVE SUSPENSION STEERING& WHEEL ALIGN LAB**

Repair automotive brakes, steering, and suspension systems by applying knowledge attained in required courses. This is a hands-on class that uses live projects. Must have required tools and textbooks. Co-requisites: AUT 147 and AUT 149.

Instructor Permission required.

Additional Fee: 61.65

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4652	6 Cr	7:30AM-1:50PM	DAILY	09/24/18-12/12/18	03 701	Smith, Michea	

### **AUT 209 ELECTRONIC SYSTEMS**

Diagnose and repair automotive electronic systems and study basic application of computerized electronic control systems. Upon completion of this course, students will be familiar with the terminology, basic theory, diagnostics, removal, and installation procedures used on automobiles and light trucks.

Prerequisite(s): Must successfully complete AUT 204 and must have required tools and textbooks. Co-requisites: AUT 115, AUT 212 and AUT 235.

Instructor Permission required.

Additional Fee: 66.55

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
46A2	7 Cr	7:30AM-1:50PM	DAILY	09/24/18-12/12/18	03 901	Covington, G	

### **AUT 212 ELECTRICAL SYSTEMS**

Diagnose and repair automotive electrical systems and study basic application of computerized electronic control systems. Upon completion of this course, students will be familiar with the terminology, basic theory, diagnostics, removal, and installation procedures used on automobiles and light trucks.

Prerequisite(s): Must have required tools and textbooks. Successful completion of IAUT 102, IAUT 104, IAUT 115, IAUT 130, and IAUT 139. Co-requisites: AUT 209, AUT 235.

Instructor Permission required.

Additional Fee: 76.35

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4692	9 Cr	7:30AM-1:50PM	DAILY	09/24/18-12/12/18	03 901	Covington, G	

### **AUT 239 CLUTCHES & MANUAL TRANSMISSIONS**

Provides students with the knowledge and skills to competently repair automotive clutches and manual transmissions/transaxles. Upon completion of the course, students will be familiar with the terminology, basic theory, diagnostics, maintenance, and repair of automobile/light truck clutches and manual transmissions/transaxles. Prerequisite(s): Must have required tools and textbooks. Successful completion of IAUT 102, IAUT 104, IAUT 115, IAUT 130, and IAUT 139. Co-requisites: AUT 243 and AUT 246

Instructor Permission required.

Additional Fee: 76.35

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4662	Var	7:30AM-1:50PM	DAILY	09/24/18-12/12/18	03 601	Brown, David	

### **AUT 243 AUTOMOTIVE AXLES, DRIVELINES, DIFFERENTIALS & TRANSFER**

Provides students with the knowledge and skills to competently repair automotive axles, drivelines, differentials, and transfer cases. Upon completion of the course, students will be familiar with the terminology, basic theory, diagnostics, maintenance, and repair of automobile/light truck axles, drivelines, differentials, and transfer cases. Prerequisite(s): Must have required tools and textbooks. Co-requisite: AUT 239, AUT 246

Instructor Permission required.

Additional Fee: 61.65

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4672	Var	7:30AM-1:50PM	DAILY	09/24/18-12/12/18	03 601	Brown, David	

### **AUT 246 MANUAL DRIVE TRAINS & AXLES LAB**

This course is designed to teach students to competently repair drive-train components by applying knowledge attained in required courses. This is a hands-on class that uses live projects. Upon completion of this course, students will be familiar with diagnosis, maintenance, and repair of automobile/light truck manual drive trains. Prerequisite(s): Must have required tools and textbooks. Co-requisite: AUT 239, AUT 243

Instructor Permission required.

Additional Fee: 51.85

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4682	Var	7:30AM-1:50PM	DAILY	09/24/18-12/12/18	03 601	Brown, David	

### **AUT 255 AIR-CONDITIONING, HEATING & VENTILATION**

Theory, troubleshooting, and repair of automotive air-conditioning systems, heating systems, and ventilation systems. Also covers recovery and recycling of both R-12 and R134A refrigerants. Prerequisite(s): Must have required tools and textbooks. Co-requisite: AUT 209, AUT 212.

Instructor Permission required.

Additional Fee: 61.65

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
46B2	6 Cr	7:30AM-1:50PM	DAILY	09/24/18-12/12/18	03 901	Covington, G	

### **FAUT 144 FORD BASIC ELECTRICAL SYSTEMS DIAGNOSIS AND TEST**

Additional Fee: 179.40

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4602	6 Cr	7:30AM-1:50PM	DAILY	09/24/18-12/12/18	03 801	Brown, David	

### **FAUT 209 FORD ELECTRONIC SYSTEMS**

Additional Fee: 66.55

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4622	7 Cr	7:30AM-1:50PM	DAILY	09/24/18-12/12/18	03 801	Brown, David	

## **FAUT 212 FORD ELECTRICAL SYSTEMS**

Additional Fee: 76.35

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4612	9 Cr	7:30AM-1:50PM	DAILY	09/24/18-12/12/18	03 801	Brown, David	

# **AVIATION MAINTENANCE TECHNICIAN**

## **AMT 104 BASIC MATHEMATICS, PHYSICS, AND WEIGHT & BALANCE**

Perform all of the mathematical computations required in the Aviation Maintenance Technician curriculum. Understand the scientific principles that apply to the operation of aircraft, engines and the equipment that the aviation maintenance technician will be in daily contact with. Develop a comprehensive understanding of the importance of weight and balance to aircraft safety, and make all of the required calculations for weight and balance checks, equipment changes, extreme loading checks, and the addition of ballast.

Additional Fee: 74.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4402	Var	7:00AM-1:00PM	DAILY	09/24/18-12/14/18	SHC116	Doyon, Greg	

## **AMT 116 AIRCRAFT DRAWINGS,CLEANING,CORROSION CNTRL,GROUN**

Sketch aircraft repairs and alterations and understand information presented on typical aircraft blueprints, graphs, and charts. Recognize types of corrosion and know their causes, identify and use the proper materials and processes to remove corrosion by-products, treat corroded areas, and apply proper protection. Gain a thorough understanding of the importance of safe ground handling procedures, aircraft movement and storage, and identify aviation fuels. Identify fluid line components, fabricate rigid and flexible fluid lines, and properly install fluid lines on aircraft.

Additional Fee: 74.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4412	Var	7:00AM-1:00PM	DAILY	09/24/18-12/14/18	SHC116	Doyon, Greg	

## **AMT 119 MATERIALS & PROCESSES**

Learn about identification and selection of non-destructive testing methods, dye-penetrant, eddy current, ultra-sound, and magnetic particle inspections, as well as basic heat-treated processes, aircraft hardware, and materials. Inspect and check welds. Perform precision measurements.

Additional Fee: 74.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4422	Var	7:00AM-1:00PM	DAILY	09/24/18-12/14/18	SHC116	Doyon, Greg	

## **AMT 127 MAINTENANCE FMS/RECORDS, PUBL AND MECH PRIV & LI**

Use maintenance records and entries, maintenance forms, and inspection reports. Requires reading, comprehension, and application of information from the FAA and manufacturer's maintenance specifications, data sheets, manuals, publications, related FAA regulations, airworthiness directives, and advisory material. Apply mechanic privileges within the limitations prescribed by FAR Part 65.

Additional Fee: 69.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
-------------	-------------	--------------	-------------	------------------------	-----------------	----------------	-----------------



4432 Var 7:00AM-1:00PM DAILY 09/24/18-12/14/18 SHC116 Doyon, Greg

### **AMT 132 WOOD STRUCTURES, AIRCRAFT COVERINGS, AND FINISHE**

Covers wood aircraft construction, repair, and inspection. Students will select, apply, inspect, test, and repair aircraft fabric and fiberglass covering materials. Become familiar with types of aircraft protective coatings, trim applications, markings, finish problems, and the inspection of finishes.

Additional Fee: 69.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4442	Var	7:00AM-1:00PM	DAILY	09/24/18-12/14/18	SHC117	Mcconkie, Ben	

### **AMT 135 AIRCRAFT SHEET METAL STRUCTURES**

Inspection and repair of all types of sheet metal. Information regarding the fabrication, construction, and repair of sheet metal aircraft structures.

Additional Fee: 69.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4452	Var	7:00AM-1:00PM	DAILY	09/24/18-12/14/18	SHC117	Mcconkie, Ben	

### **AMT 136 WELDING, POSITION & WARNING SYSTEMS**

Principles regarding the fabrication, construction, and repair of welded aircraft structures. Principles of operation of speed and configuration warning systems, electrical brake controls, anti-skid systems, and landing gear position indicating and warning systems.

Additional Fee: 64.70

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4462	Var	7:00AM-1:00PM	DAILY	09/24/18-12/14/18	SHC117	Mcconkie, Ben	

### **AMT 137 AIRCRAFT NON-METALIC STRUCTURES**

Covers inspection and repair of all types of non-metallic and composite structures, including transparent plastic enclosures and interiors.

Additional Fee: 69.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4472	Var	7:00AM-1:00PM	DAILY	09/24/18-12/14/18	SHC117	Mcconkie, Ben	

### **AMT 138 AIRCRAFT INSPECTIONS**

Lecture, demonstration, and practical application are used to train the student in the methods and techniques of all phases of aircraft inspections, federal aviation regulations, maintenance record entries, and disposition of those records.

Additional Fee: 69.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4492	Var	7:00AM-1:00PM	DAILY	09/24/18-12/14/18	SHC118	Joy, Earl	

### **AMT 139 ASSEMBLY & RIGGING**

Covers basic information regarding the assembly of aircraft, components, rigging of all flight control surfaces, balancing and inspection of flight controls, alignment of aircraft structures, and jacking of aircraft.

Additional Fee: 69.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4482	Var	7:00AM-1:00PM	DAILY	09/24/18-12/19/18	SHC117	Mcconkie, Ben	

**AMT 208 HELICOPTER OPERATION AND MAINTENANCE PRACTICES**

Covers history, operations, regulations, publications, records, special use equipment, and basic maintenance fundamentals, as they relate to rotorcraft.

Additional Fee: 69.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
44A2	Var	7:00AM-1:00PM	DAILY	09/24/18-12/14/18	SHC118	Joy, Earl	

**AMT 210 BASIC ROTOR SYSTEM MAINTENANCE AND REPAIR**

Covers history of rotorcraft and principles of flight; types and function of rotor systems; overhaul of rotor hub assemblies; installation and static balancing of rotors; types and function of anti-torque control systems; inspection of rotor blades using manufacturer's data.

Additional Fee: 69.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
44B2	Var	7:00AM-1:00PM	DAILY	09/24/18-12/14/18	SHC118	Joy, Earl	

**AMT 212 ADVANCED ROTOR SYSTEMS MAINTENANCE AND REPAIR**

Covers vibration analysis; installation and dynamic balancing of rotor systems; tracking of helicopter rotor blades; principles of helicopter autorotation and adjustment of autorotation RPM for power off operations.

Additional Fee: 69.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
44C2	Var	7:00AM-1:00PM	DAILY	09/24/18-12/14/18	SHC118	Joy, Earl	

**AMT 215 HELICOPTER SYSTEMS**

Covers helicopter power plants and controls; fuel systems, turbine fuels, and fuel system components; oil systems and types of oils; mechanical drives, clutches, drive shafts, freewheeling units, and transmissions; flight controls, hydraulic, and instrument systems; rotor RPM, engine -out, and master caution and warning systems; electrical systems, NiCad batteries, and starter generators; fuselage structures; and landing gear.

Additional Fee: 69.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
44D2	Var	7:00AM-1:00PM	DAILY	09/24/18-12/14/18	SHC118	Joy, Earl	

**AMT 224 POWERPLANT RECIPROCATING ENGINE THEORY**

Covers the history of aircraft engines, principles of energy transformation, theory of operation, engine requirements and configuration, and overhaul of horizontally -opposed engines.

Additional Fee: 79.40

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
44F2	Var	7:00AM-1:00PM	DAILY	09/24/18-12/14/18	SHC120	Vick, Phillip	

**AMT 225 POWERPLANT MAINTENANCE AND OPERATION**

Powerplant maintenance and operation consists of theory of operation; engine requirements, configuration and installation; and troubleshooting and removal of horizontally -opposed engines.

Additional Fee: 79.40

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
44G2	Var	7:00AM-1:00PM	DAILY	09/24/18-12/14/18	SHC120	Vick, Phillip	

**AMT 226 ENGINE FUEL SYSTEMS AND FIRE PROTECTION**

Fuel systems and fire protection consists of transformation of energy, chemistry of combustion and thermal efficiency of fuel air mixtures. Fire protection covers the components and the operation of fire detection and

extinguishing equipment.

Additional Fee: 54.90

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
44H2	Var	7:00AM-1:00PM	DAILY	09/24/18-12/14/18	SHC120	Vick, Phillip	

### **AMT 228 ENGINE FUEL METERING SYSTEMS**

Fuel metering consists of the principles of fuel metering for float carbs, pressure carb, fuel injection, anti-detonation injection, turbine fuel controls, and electronic engine-fuel controls.

Additional Fee: 74.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
44J2	Var	7:00AM-1:00PM	DAILY	09/24/18-12/14/18	SHC120	Vick, Phillip	

## **BIOLOGY**

### **BIOL& 160 GENERAL BIOLOGY W/LAB**

Provides an introduction to cellular biology for students preparing for the health professions. Major concepts include the structure, reproduction, and metabolism of cells; genetics; ecological perspectives; and evolutionary biology. Summer 2018 lab times: item number 0504 10 a.m. to 12:00 p.m. 7/06, 08/31 W/F. Fall 2018 lab times: item number 0504 10 a.m. to 12 p.m. 9/26-12/07 W/F. Prerequisite(s): Minimum Accuplacer reading/writing combined score of 277 or equivalent or successful completion of ENG 094.

Additional Fee: 54.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
0503	Var	ARRANGED	ARRANGED	09/24/18-12/12/18	21 235	Noffke, Wendy	HYBRID
0504	Var	10:00AM-12:00PM	WF	09/24/18-12/12/18	21 235	Noffke, Wendy	HYBRID

### **BIOL& 175 HUMAN BIOLOGY W/LAB**

This course is an in-depth approach to body systems, emphasizing the relationship between structure and functions. This is a laboratory course appropriate for non-science majors or for students beginning study in life sciences. Summer 2018 lab times: item number 0505 10:00 a.m. to 2:00 p.m. 07/12, 08/09 (Th). Fall lab times: item number 0505 2 p.m. to 6 p.m. (10/09 & 11/13). Prerequisite(s): Minimum Accuplacer reading/writing combined score of 277 or equivalent or successful completion of ENG 094.

Additional Fee: 54.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
0505	Var	ARRANGED	ARRANGED	09/24/18-12/12/18	21 235	Noffke, Wendy	HYBRID
0506	5 Cr	10:00AM-12:00PM	TTh	09/25/18-12/12/18	21 235	Noffke, Wendy	HYBRID

### **BIOL& 241 HUMAN ANATOMY AND PHYSIOLOGY I**

Provides students with the first course of the two-quarter study of body structure and related physiology on cellular -through -system levels. Includes an in-depth study of cells, tissues, and integumentary, skeletal, muscular, nervous, and sensory systems. Summer 2018 lab times: item number 0506 12 p.m. to 2:00 p.m. W/F. Prerequisite(s): Successful completion of CHEM& 110 or higher and BIOL& 160 or BIOL& 175. All prerequisite courses must be completed with a grade of 2.0 or better.

Additional Fee: 54.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
0507	Var	8:00AM-10:50AM	MW	09/24/18-12/12/18	21 235	Noffke, Wendy	HYBRID
0508	Var	11:00AM-1:50PM	MW	09/24/18-12/12/18	21 231	Jaffer, Nooru	HYBRID

0579 5 Cr 2:00PM-2:50PM TTh 09/24/18-12/12/18 21 231 Jaffer, Nooru

### **BIOL& 242 HUMAN ANATOMY AND PHYSIOLOGY II**

Provides students with the second course of the two-quarter study of body structure and related physiology on cellular -through -system levels. Includes an in-depth study of body organization and cardiovascular and lymphatic physiological processes. Includes immunology, respiratory, digestive, metabolic, excretory, reproductive, and endocrine systems. Summer 2018 lab times: Item number 0507 8 a.m. to 10:00 a.m. W/F. Prerequisite(s): Successful completion of BIOL& 241 with a grade of 2.0 or better.

Additional Fee: 54.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
0509	5 Cr	8:00AM-10:50AM	TTh	09/25/18-12/12/18	21 231	Jaffer, Nooru	HYBRID
0514	5 Cr	11:00AM-11:50AM	TTh	09/25/18-12/11/18	21 231	Jaffer, Nooru	HYBRID

### **BIOL& 260 MICROBIOLOGY**

Provides students with the content of diversity, structure, and physiology of beneficial and harmful microbes. Laboratory practice in identification of microbial species through culturing, staining, and biochemical testing. Summer 2018 lab times: item number 0508 10:00 a.m. to 2:00 p.m. 07/19 & 08/30 (TH). And 10 a.m. to 2 p.m. 07/24 & 08/28 (T). Fall lab times: item number 0510 2 p.m. to 6 p.m. (Th 10/11 & T 10/16). Prerequisite(s): Successful completion of BIOL& 160 with a grade of 2.0 or better and CHEM& 110 with a grade of 2.0 or better.

Additional Fee: 54.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
0510	Var	ARRANGED	ARRANGED	09/24/18-12/12/18	21 235	Noffke, Wendy	HYBRID
0580	5 Cr	8:00AM-9:50AM	MT	09/24/18-12/12/18	21 235	El Ebiary, H	

## **CENTRAL SERVICE/STERILE PROCESSING**

### **MMN 103 INTRODUCTION TO HEALTHCARE**

Covers overall program content, including policies, procedures, philosophy, and terminal objectives. The history and evolution of the Central Service profession, human relations, legal issues, and regulatory agencies affecting the field are explored. Web enhanced.

Additional Fee: 109.70

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
8302	3 Cr	8:00AM-1:30PM	MTWTh	09/24/18-10/09/18	21 107	Griffin, Chri	ENHANCED

### **MMN 106 ANATOMY & PHSIOLOGY/MEDICAL TERMINOLOGY**

Explores the overall makeup of the human body, its systems and functions, and related medical and surgical terminology. Surgical instrumentation is introduced. Web enhanced. Prerequisite(s): Successful completion of MMN 103.

Additional Fee: 19.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
8312	4 Cr	8:00AM-1:30PM	MTWTh	10/10/18-11/01/18	21 107	Griffin, Chri	ENHANCED

### **MMN 111 MICROBIOLOGY / INFECTION CONTROL**

Covers the examination of human pathogens in microbiology. Students will learn about infection control as it relates to the sterilization process. Safety issues in the health care environment are covered. Web

enhanced. Prerequisite(s): Successful completion of MMN 103, MMN 106.

Additional Fee: 14.70

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
8322	3 Cr	8:00AM-1:30PM	MTWTh	11/02/18-11/14/18	21 107	Griffin, Chri	ENHANCED

### **MMN 124 SURGICAL INSTRUMENTATION**

In this course, students learn to identify basic and complex surgical instruments. They will demonstrate thorough knowledge of the manufacture, care, and processing of surgical, endoscopic, and power instruments. In addition, students will have an understanding of special protocols required with loaner instruments. Web enhanced. Prerequisite(s): Successful completion of MMN 103, MMN 106, MMN 111.

Additional Fee: 14.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
8332	4 Cr	8:00AM-1:30PM	MTWTh	11/15/18-12/14/18	21 107	Griffin, Chri	ENHANCED

### **MMN 213 CLINICAL INTERNSHIP I**

Provides students with the opportunity to apply the theories and principles of central service and sterilization learned in the classroom to the actual work experience in a central service, sterile processing, or distribution department. The role of the central service technician in a hospital central service/sterile processing department will be the focus. In order to participate in the clinical aspect of the program, students must receive a clear background check as required by the health care facilities, have proof of current immunizations, complete CPR for health care professionals, be able to lift 50 pounds, and be able to work on their feet for up to eight hours. Prerequisite(s): Successful completion of MMN 103, MMN 106, MMN 111, MMN 124, MMN 126, MMN 129, MMN 132.

Additional Fee: 14.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
8342	6 Cr	ARRANGED	DAILY	09/24/18-11/02/18	21 ARR	Griffin, Chri	ENHANCED

### **MMN 215 CLINICAL INTERNSHIP II**

Continued participation in the clinical setting at local facilities allows students to gain a variety of experiences in central service/sterile processing and materiel management. Requirements are the same as MMN 213. Prerequisite(s): Successful completion of MMN 213.

Additional Fee: 14.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
8352	6 Cr	ARRANGED	DAILY	11/03/18-12/14/18	21 ARR	Griffin, Chri	

## **CHEMISTRY**

### **CHEM& 110 CHEMICAL CONCEPTS W/LAB**

An introduction to chemistry intended for non-science majors. This course looks at how models of atoms, bonding, and the structures of materials provide an understanding of common chemical properties and reactions. Summer 2018 lab times: item number 0509 10 a.m. to 2:00 p.m. F. Fall lab times: item number 0511 10 a.m. to 11:50 a.m. Friday. Co-requisites: Students who have not completed MAT 099 or achieved an Accuplacer advanced algebra score of 233 or equivalent or higher must take MAT 099 concurrently with this course.

Additional Fee: 58.30

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
-------------	-------------	--------------	-------------	------------------------	-----------------	----------------	-----------------

0511	5 Cr	ARRANGED	ARRANGED	09/24/18-12/12/18	15 105	Keenan, Leo	HYBRID
0512	5 Cr	ARRANGED	ARRANGED	09/24/18-12/12/18	15 105	Keenan, Leo	HYBRID
0581	5 Cr	9:30AM-12:20PM	MW	09/24/18-12/12/18	15 105	El Ebiary, H	

### CHEM& 121 INTRODUCTION TO CHEMISTRY

CHEM& 121 INTRO TO CHEMISTRY Understanding the metric system, atomic theory, bonding, quantitative relationships, solutions, gases, acids and bases, salts, and nuclear chemistry. Summer 2018 lab times: item number 0510 8 a.m. to 9:50 a.m. F. Fall 2018 lab times: item number 0513 12 p.m. to 1:50 p.m. F. Prerequisite(s): Successful completion of CHEM& 110 or high school chemistry. Co-requisites: MAT 099 or higher or appropriate Accuplacer placement or equivalent concurrently with this course.

Additional Fee: 58.30

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
0513	5 Cr	ARRANGED	ARRANGED	09/24/18-12/12/18	15 105	Keenan, Leo	HYBRID

## COLLEGE SUCCESS FOR ALL

### COLL 102 COLLEGE SUCCESS FOR ALL

College Success for All prepares students for success at Clover Park Technical College and beyond. This class is offered pass/fail and utilizes CANVAS, CPTC's online learning management system, to familiarize students with this learning environment. Designed to provide students with the basic skills to be successful in college by developing connections with campus resources, faculty, staff, and peers. The course includes 20 hours of classroom instruction and 20 hours of online and computer work. It includes, but is not limited to: study skills, learning styles, communication skills, time management, campus resources, test taking strategies, diversity, and campus policies and procedures. This class also includes mandatory safety and FERPA training, along with SALT component for financial planning. Prerequisite(s): None, but required for all students.

Additional Fee: 39.70

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
2P02	3 Cr	7:00AM-7:50AM	MWF	09/24/18-12/12/18	14 102	Van Beek, Car	HYBRID
2P42	Var	10:00AM-10:50AM	MWF	09/24/18-12/12/18	15 112	Holster, Elai	HYBRID
2PB2	3 Cr	4:00PM-4:50PM	MTW	09/24/18-12/12/18	15 112	Davis, Jane	HYBRID
2PF2	Var	8:00AM-8:50AM	MWF	09/24/18-12/12/18	11 107	Watts, Bryant	HYBRID
2PG2	Var	3:00PM-3:50PM	MWF	09/24/18-12/12/18	16 205	Salave'a, Eli	HYBRID
2PH2	3 Cr	2:00PM-2:50PM	MWF	09/24/18-12/12/18	16 205	Salave'a, Eli	HYBRID
2PJ2	3 Cr	11:00AM-11:50AM	MWF	09/24/18-12/12/18	16 205	Salave'a, Eli	HYBRID
2P12	Var	8:00AM-8:50AM	TWTh	09/25/18-12/12/18	14 102	McGovern, Tyl	HYBRID
2P22	Var	9:00AM-9:50AM	TWTh	09/25/18-12/12/18	16 116	Mollas, Tula	HYBRID
2P32	3 Cr	9:00AM-9:50AM	TWTh	09/25/18-12/12/18	11 107	Phillips, Hal	HYBRID
2P52	Var	10:00AM-10:50AM	TWTh	09/25/18-12/12/18	11 107	Phillips, Hal	HYBRID
2P72	3 Cr	11:00AM-11:50AM	TWTh	09/25/18-12/12/18	15 112	Vano, Jennie	HYBRID
2P82	Var	12:00PM-12:50PM	TWTh	09/25/18-12/12/18	15 112	Crouchet, Cri	HYBRID
2P92	Var	2:00PM-2:50PM	TWTh	09/25/18-12/12/18	16 113	Phillips, Hal	HYBRID
2PA2	3 Cr	3:00PM-3:50PM	TWTh	09/25/18-12/12/18	16 113	Phillips, Hal	HYBRID
2PC2	3 Cr	1:00PM-2:45PM	W	09/26/18-12/12/18	SHC118	Mensonides, J	HYBRID
2PD2	Var	1:00PM-2:45PM	F	09/28/18-12/12/18	SHC116	Phillips, Hal	HYBRID

# COMPUTER APPLICATIONS

## **CAS 105 KEYBOARDING**

Use computers to develop touch control and proper keyboarding techniques; introduction to basic word-processing functions.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
5702	3 Cr	ARRANGED	ARRANGED	09/24/18-12/12/18	ON LINE	Reygers, Ryan	ONLINE

## **CAS 115 INTRODUCTION TO COMPUTING**

Explore personal computer concepts from a user's perspective. In this introductory course, learn computer terminology; run programs; save, retrieve, and search for files; use help; and perform computer maintenance. Develop basic skills in word processing, Internet, e-mail, and PowerPoint.

Additional Fee: 14.70

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
2002	Var	9:00AM-10:50AM	M	09/24/18-12/12/18	11 112	Carey, Jessi	HYBRID

## **CAS 121 WORD I**

Use beginning word-processing techniques while creating and editing business documents. Create tables, columns, envelopes, and mailing labels. Work with special features to track and review changes and compare documents.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
2012	Var	ARRANGED	ARRANGED	09/24/18-12/12/18	ON LINE	Bonner, Lapri	ONLINE

## **CAS 130 EXCEL I**

Create and analyze professionally formatted spreadsheets. Enter data, formulas, and functions. Create charts and insert graphics. Sort and filter lists. Prerequisite(s): MAT 092 skills preferred.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
2022	3 Cr	ARRANGED	ARRANGED	09/24/18-12/12/18	ON LINE	Bonner, Lapri	ONLINE

## **CAS 135 EXCEL II**

Use advanced spreadsheet features and functions to analyze and project data. Learn how to use what-if analysis tools, such as scenarios and solver. Create macros; validate data; link worksheets/books; use pivot tables; find errors; and share, merge, and protect workbooks. Prerequisite(s): Successful completion of CAS 130.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
2052	3 Cr	ARRANGED	ARRANGED	09/24/18-12/12/18	ON LINE	Cooke, Suzann	ONLINE

## **CAS 141 POWERPOINT**

Create professionally formatted presentations that include animation and transitions. Insert and format charts, graphics, diagrams and pictures. Save presentations for various delivery options.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
2032	Var	ARRANGED	ARRANGED	09/24/18-12/12/18	ON LINE	Pastori, Fran	ONLINE

## **CAS 145 PUBLISHER**

Explore desktop publishing in this project-based class. Create and edit flyers, newsletters, brochures, logos, calendars, and various business publications. Use mail merge to create letters and labels. Use tools to edit text, colors, graphic-design objects, and logos. Prepare files for commercial printing.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
2042	5 Cr	ARRANGED		ARRANGED 09/24/18-12/12/18	ON LINE	Carey, Jessi	ONLINE

## **COMPUTER PROGRAMMING**

### **CPW 101 PROGRAMMING FUNDAMENTALS**

This course is an introduction to programming concepts that enforces good programming style and logical thinking. Designed for students with little or no programming language experience, it begins with basic general programming concepts and key concepts of structure. The course then progresses to the intricacies of decision-making, looping, array manipulation, and methods.

Additional Fee: 24.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
5402	Var	1:00PM-4:00PM	MW	09/24/18-12/12/18	11 111W	Meerdink, Ken	ENHANCED

### **CPW 116 .NET PROGRAMMING**

Create programs using the .NET Framework, with focus on desktop and console applications. Use decision structures, loops, and arrays to solve problems. Apply exception handling and data validation to programs. Use the predefined libraries in .NET Framework to solve problems. Create methods and learn to pass and return arguments. Create classes, and use the classes as objects in programming. Use databases to store and retrieve the data from the applications. Prerequisite(s): Successful completion of CPW 142 and CPW 210.

Additional Fee: 24.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
5462	5 Cr	9:00AM-12:00PM	TTh	09/25/18-12/11/18	11 111E	Ortiz, Joseph	HYBRID

### **CPW 118 WEB DESIGN PRINCIPLES**

Explore how the web works and methods and limitations of delivering content on the web. Examine usability issues, such as interface design and structure and how to accommodate a wide variety of viewports, from smartphones to cinema screen computer monitors. Students will build a four-page portfolio -style website using Notepad and Photoshop and post it to the Internet.

Additional Fee: 24.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
5442	Var	9:00AM-12:00PM	F	09/28/18-12/07/18	11 111E	Ortiz, Joseph	HYBRID

### **CPW 143 JAVA OBJECT-ORIENTED PROGRAMMING II**

Build your problem-solving skills with the fundamental concepts and techniques of object-oriented Java programming in analyzing, designing, and implementing computer programs. Practice problem-solving methods and algorithm development to analyze, design, implement, modify, verify, and document computer programs that solve real-world problems. Develop a good conceptual understanding of data and functional abstraction. Prerequisite(s): Successful completion of CPW 142.

Additional Fee: 24.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
5412	5 Cr	9:00AM-12:00PM	MW	09/24/18-12/12/18	11 111W	Meerdink, Ken	ENHANCED



## **CPW 150 PRINCIPLES OF RELATIONAL DATABASES**

Delve into the fundamental concepts, terminologies, methodologies, and system organizations of database management systems. Develop the theoretical foundation of understanding necessary to design, implement, optimize, query, and maintain a database system. Propose, design, and develop a database, using a relational database management system to reinforce the theoretical concepts.

Additional Fee: 24.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
5452	Var	9:00AM-12:00PM	MW	09/24/18-12/12/18	11 111E	Ortiz, Joseph	HYBRID

## **CPW 203 ADVANCED JAVASCRIPT**

Reinforce fundamentals and create larger applications using JavaScript. Dive deeper into event-driven programming. Update web pages dynamically by manipulating the HTML Document Object Model (DOM). Learn how to integrate existing JavaScript libraries and frameworks into your applications. Prerequisite(s): Successful completion of CPW 223.

Additional Fee: 24.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
5472	5 Cr	1:00PM-4:00PM	TTh	09/25/18-12/11/18	11 111E	Ortiz, Joseph	HYBRID

## **CPW 215 ADV .NET WEB PROGRAMMING**

Build upon existing fundamental ASP.NET skills. Learn how to build scalable, secure, and maintainable web applications. Apply advanced object-oriented techniques while diving deeper into design patterns. Learn how to create and consume web services. Explore server architecture and data storage options with the public cloud. Prerequisite(s): Successful completion of CPW 212 and CPW 213.

Additional Fee: 24.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
5482	5 Cr	1:00PM-4:00PM	MW	09/24/18-12/12/18	11 111E	Ortiz, Joseph	HYBRID

## **CPW 240 PROGRAMMING PRACTICUM**

Programming on a medium scale in object-oriented development, consolidating prior programming principles and expanding knowledge of application design. This course introduces students to some concepts of advanced programming. Topics may include Graphical User Interface (GUI), Java Database Connectivity (JDBC), multithreading, inner classes, collections, exceptions, file I/O (NIO), networking, reflection, Swing, Remote Method Invocation (RMI), Naming Service (JNDI), Serialization, Servlets, and JavaServer Pages (JSP). Prerequisite(s): Successful completion of CPW 245.

Additional Fee: 24.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
5422	5 Cr	9:00AM-12:00PM	TTh	09/25/18-12/11/18	11 111W	Meerdink, Ken	HYBRID

## **CPW 252 PHONE PROGRAMMING**

Covers the concepts involved with programming on the phone ' source control, phone emulators, phone APIs, and deployment. Prerequisite(s): Successful completion of CPW 245.

Additional Fee: 24.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
5432	5 Cr	1:00PM-4:00PM	TTh	09/25/18-12/11/18	11 111W	Meerdink, Ken	ENHANCED

# **COMPUTER NETWORKING AND INFORMATION SYSTEMS SECURITY (CNISS)**

## **NSS 101 IT ESSENTIALS I**

Introduces students to the knowledge and skills necessary to competently install, build, configure, upgrade, troubleshoot, and repair PC-compatible hardware, including troubleshooting basic networks and Internet connectivity. Additionally, this course will cover the latest memory, bus, peripherals, and wireless technologies.

Additional Fee: 76.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4702	Var	8:00AM-3:00PM	MWF	09/24/18-10/26/18	16 107	Morris, Cath	ENHANCED
47U2	5 Cr	6:00PM-9:00PM	W	09/26/18-10/31/18	16 207	Lanphier, Jay	HYBRID

## **NSS 105 IT ESSENTIALS II**

Introduces students to the knowledge and skills necessary to competently use, install, configure, upgrade, and troubleshoot current operating systems technologies. Prerequisite(s): Successful completion of NSS 101 or instructor permission.

Additional Fee: 71.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4712	Var	8:00AM-3:00PM	MWF	10/29/18-12/12/18	16 107	Morris, Cath	ENHANCED
47V2	4 Cr	6:00PM-9:00PM	W	11/07/18-12/12/18	16 207	Lanphier, Jay	HYBRID

## **NSS 109 CISCO NETWORKING I**

The first of four courses in the new Cisco NetAcad CCNA Routing and Switching curriculum, which teaches basics of Ethernet technologies, cabling LANS and WANS, network media, basics of TCP/IP and IP addressing, and routing fundamentals.

Additional Fee: 76.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4722	Var	12:00PM-3:00PM	TTh	09/25/18-12/11/18	16 209	Souza, Donal	ENHANCED
47W2	5 Cr	6:00PM-9:00PM	W	09/26/18-12/12/18	16 209	Souza, Donal	HYBRID

## **NSS 120 MS DESKTOP SUPPORT I**

Introduces students to the knowledge, skills, and tasks necessary to troubleshoot basic problems computer users will face while running a desktop operating system.

Additional Fee: 76.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4732	5 Cr	8:00AM-3:00PM	MWF	09/24/18-10/26/18	16 207	Lanphier, Jay	ENHANCED

## **NSS 125 MS DESKTOP SUPPORT II**

Introduces students to the knowledge, skills, and tasks necessary to troubleshoot basic problems computer users will face related to configuring and maintaining applications running on a desktop operating system. Co-requisites: Concurrently enrolled in NSS 120 or instructor permission.

Additional Fee: 71.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4742	4 Cr	8:00AM-3:00PM	MWF	10/29/18-12/12/18	16 207	Lanphier, Jay	ENHANCED

### **NSS 127 SCRIPTING FOR NETWORK ADMINS**

This introductory scripting course is designed to provide students with the fundamental knowledge and skills to use scripting to automate administrative tasks commonly used by system administrators.

Additional Fee: 71.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4752	4 Cr	12:00PM-2:00PM	TTh	09/25/18-12/11/18	16 107	Morris, Cath	ENHANCED

### **NSS 135 IMPLEMENTING SYSTEM SECURITY**

Capstone course of general security concepts, communications security, infrastructure security, basics of cryptography, and organizational security. Includes access, attacks, auditing, vulnerabilities, devices, algorithms, protocols, disaster recover, and documentation.

Additional Fee: 71.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4762	Var	12:00PM-3:00PM	TTh	09/25/18-12/11/18	16 207	Hollowell, Ke	ENHANCED

### **NSS 139 SERVER OS INSTALLATION AND CONFIGURATION**

Introduces knowledge, skills, and tasks necessary to deploy, support, and secure windows server network operating systems in a variety of stand-alone and enterprise network environments. Provides hands-on training for Information Systems Security professionals responsible for managing accounts and resources, maintaining server resources, monitoring server performance, safeguarding data, and securing server network operating systems. Provides guidance for students pursuing industry certification.

Additional Fee: 71.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4772	4 Cr	8:00AM-11:00AM	TTh	09/25/18-12/11/18	16 109	Souza, Donal	ENHANCED

### **NSS 141 DIGITAL FORENSICS**

Introduces the use of software to acquire and analyze digital data. Techniques will be used to demonstrate the use of statistical analysis practices to predict or show trends involving security issues crime and loss prevention. Prerequisite(s): Basic knowledge of operating systems.

Additional Fee: 76.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4782	Var	8:00AM-11:00AM	TTh	09/25/18-12/11/18	16 207	Lanphier, Jay	ENHANCED

### **NSS 144 INTRODUCTION TO MICROSOFT SQL SERVER ADMIN**

Introduces students to the development and skills required to successfully administer an SQL Server database. This course covers installing and configuring Microsoft SQL Server and managing and maintaining databases and multidimensional databases, user accounts, database availability, recovery, and reporting. Additional topics include system installation and configuration/architecting, implementation and monitoring security controls, configuring and managing network communications, automating administrative task, disaster prevention and recovery, performance monitoring, optimizing and ensuring high availability.

Additional Fee: 71.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4792	4 Cr	12:00PM-3:00PM	TTh	09/25/18-12/11/18	16 109	Lanphier, Jay	ENHANCED

### **NSS 156 CYBER SECURITY FUNDAMENTALS**

This course introduces students to the evolving field of cybersecurity. Students will learn about common cyber-attacks and the techniques used to identify, detect, and defend against cybersecurity threats. They

will also gain a basic understanding of personal, physical, network, Internet, and enterprise security. This course also provides a foundation for more advanced study of cybersecurity.

Additional Fee: 71.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
47A2	Var	8:00AM-11:00AM	TTh	09/25/18-12/11/18	16 107	Morris, Cath	ENHANCED

### **NSS 160 INTRODUCTION TO LINUX**

Introduces the fundamentals of the Unix/Linux operating system, concepts, architecture, and administration. Students will practice these basic concepts and approaches using LINUX.

Additional Fee: 76.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
47B2	5 Cr	12:00PM-3:00PM	MWF	09/24/18-12/12/18	16 112	Hollowell, Ke	ENHANCED

### **NSS 161 ADMINISTERING WINDOWS SERVER OS**

Introduces knowledge and skills necessary for systems administrators to successfully implement core services in windows server operating systems. Provides extensive hands-on training for Information Systems Security professionals responsible for installing and maintaining a variety of network services. Including DHCP, DNS, IP addressing, and Virtual Private Networks. Prerequisite(s): NSS 139 or equivalent experience

Additional Fee: 71.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
47C2	4 Cr	8:00AM-11:00AM	MWF	09/24/18-12/12/18	16 109	Souza, Donal	ENHANCED

### **NSS 164 VIRTUALIZATION AND CLOUD TECHNOLOGIES**

Introduces virtualization and cloud technologies needed to advance in today's technology workplace. Provides an overview of virtualization and cloud technologies focusing on using virtualization software in networked environments in building virtual networks, implementing clusters, enhancing performance and security, and using virtualization and cloud management tools to centralize management of multiple virtual servers. This class includes opportunities for hands-on learning experiences to build the skills necessary for a successful career in the computer industry, which is increasingly focused on virtualization. Prerequisite(s): Successful completion of CompTIA's A+ and Network+ certifications or equivalent training.

Additional Fee: 71.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
47D2	4 Cr	8:00AM-10:30AM	TTh	09/25/18-12/11/18	16 111	Hollowell, Ke	ENHANCED

### **NSS 180 INTERNSHIP I**

On-the-job practical field experience combining classroom study with related work experience under the supervision of an employer. Includes scheduled seminars. Prerequisite(s): Instructor permission.

Additional Fee: 61.80

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
47F2	2 Cr	ARRANGED	ARRANGED	09/24/18-12/12/18	16 112	Randall Jody	ENHANCED

### **NSS 201 ADVANCED LINUX**

Advanced fundamentals of the Linux operating system, servers, and desktop computers. This course is a hands-on, practical approach to the advanced abilities and usage of Linux system concepts, architecture, and administration. Prerequisite(s): Successful completion of NSS 160 or basic understanding of the Linux Operating System.

Additional Fee: 76.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
-------------	-------------	--------------	-------------	------------------------	-----------------	----------------	-----------------

47G2 Var 8:00AM-11:00AM MWF 09/24/18-12/12/18 16 111 Hollowell, Ke ENHANCED

### **NSS 206 ADVANCED WINDOWS SERVER CONFIGURATION**

Introduces knowledge, skills, and tasks necessary to deploy, support and secure windows server network operating systems in a variety of stand-alone and enterprise network environments. Provides extensive hands-on training for Information Systems Security professionals responsible for installing and maintaining a variety of network roles. Including Active Directory, Group Policies, Certification Authority and Rights Management services. Prerequisite(s): NSS 161 or equivalent experience.

Additional Fee: 76.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
47H2	Var	12:00PM-3:00PM	MWF	09/24/18-12/12/18	16 109	Souza, Donal	ENHANCED

### **NSS 250 INTERNSHIP II**

This course provides practical field experience in a security-related specialty area. Includes scheduled seminar. Prerequisite(s): Instructor's Permission.

Additional Fee: 61.80

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
47J2	2 Cr	ARRANGED	ARRANGED	09/24/18-12/12/18	16 112	Randall Jody	ENHANCED

### **NSSB 215 COMPUTER FORENSICS**

Basic practices and techniques used in computer forensics. This course introduces the chain of custody and determination of the sequence of events when a misuse or crime is suspected. Topics include: evidence collection and analysis, interpretation of clues from mail messages, news posting, and file signatures on hard drives and other computer storage media. Prerequisites: NSS 140.

Additional Fee: 71.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
47K2	4 Cr	8:00AM-12:00PM	MTWTh	09/24/18-10/31/18	16 112	Randall Jody	

### **NSSB 220 SECURITY LAB II**

Provides opportunities for students to gain the knowledge, enhance their skills, and provide hands-on experience needed or required within the industry to be successful in the security field. Co-requisites: Concurrently enrolled in NSSB 215 and NSSB 246.

Additional Fee: 66.70

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
47L2	3 Cr	8:00AM-12:00PM	F	09/28/18-12/07/18	16 112	Randall Jody	

### **NSSB 246 SCRIPTING FOR PENETRATION TESTERS**

Introduces scripting languages used for one-off programming jobs or prototyping and their use for large generic applications as a flexible way to configure and secure generic software components to fit specialist requirements. This class will illustrate some practical applications of scripting and provide an introduction to some of the most widely used scripting languages.

Additional Fee: 76.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
47M2	5 Cr	8:00AM-12:00PM	MTWTh	11/01/18-12/11/18	16 112	Randall Jody	

### **NSSC 201 CISCO NETWORKING II**

The second of four courses in the new Cisco NetAcad CCNA Routing and Switching curriculum. Includes the basics of configuring routers, routing protocols, TCP/IP concepts, access control lists, and network troubleshooting skills. Prerequisite(s): Successful completion of NSS 109.

Additional Fee: 76.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
47N2	5 Cr	8:00AM-11:00AM	MWF	09/24/18-11/05/18	16 209	Turner, Jeffr	ENHANCED

### **NSSC 203 CISCO NETWORKING III**

The third of four courses in the new Cisco NetAcad CCNA Routing and Switching curriculum. Includes VLSM, basics of OSPF and EIGRP, switch concepts and configuration, Spanning Tree Protocols, VLANs, and VTP. Prerequisite(s): Successful completion of NSSC 201.

Additional Fee: 76.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
47P2	5 Cr	8:00AM-11:00AM	MWF	11/07/18-12/12/18	16 209	Turner, Jeffr	ENHANCED

### **NSSC 205 CISCO NETWORKING IV**

The last of four courses in the new Cisco NetAcad CCNA Routing and Switching curriculum. Includes IPSEC, VPN, Frame Relay, PPP, NAT, PAT, DHCP, and WAN technologies. Prerequisite(s): Successful completion of NSSC 203.

Additional Fee: 76.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
47Q2	5 Cr	8:00AM-11:00AM	TThF	09/25/18-11/01/18	16 209	Turner, Jeffr	ENHANCED

### **NSSC 207 CISCO LEARNING LAB I**

Provides opportunities for students to gain the knowledge, skills, and hands-on experience needed to prepare for the Cisco CCENT certification exam. Co-requisites: Concurrently enrolled in NSSC 201 (Cisco Networking II) & NSSC 203 (Cisco Networking III).

Additional Fee: 66.70

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
47R2	3 Cr	12:00PM-3:00PM	MWF	09/24/18-12/12/18	16 209	Turner, Jeffr	ENHANCED

### **NSSC 208 MANAGING NETWORK SECURITY**

Introduces knowledge and skills needed to install, configure, operate, manage, and verify network security products and security features. The course focuses on implementing IP network security. Prerequisite(s): Successful completion of NSSC 205 or current CCENT certification.

Additional Fee: 76.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
47S2	5 Cr	8:00AM-11:00AM	TThF	11/06/18-12/11/18	16 209	Turner, Jeffr	ENHANCED

### **NSSC 210 CISCO LEARNING LAB II**

Provides opportunities for students to gain the knowledge, skills, and hands-on experience needed to prepare for the Cisco CCNA certification exam. Co-requisites: Concurrently enrolled in NSSC 205 (Cisco Networking IV) & NSSC 208 (Managing Network Security).

Additional Fee: 66.70

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
47T2	3 Cr	12:00PM-3:00PM	TThF	09/25/18-12/11/18	16 209	Turner, Jeffr	ENHANCED

# **CONSTRUCTION**

## **CONST 102 SAFETY & OPERATING CERTIFICATE**

Additional Fee: 32.25

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
2202	3 Cr	8:00AM-2:30PM	DAILY	09/24/18-12/12/18	05 100	Quinlan, Jame	

## **CONST 104 MATH & PRINT READING FOR CONSTRUCTION**

Additional Fee: 32.25

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
2212	5 Cr	8:00AM-2:30PM	DAILY	09/24/18-12/12/18	05 100	Quinlan, Jame	

## **CONST 106 BASIC CARPENTRY SKILLS**

Additional Fee: 32.25

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
2222	6 Cr	8:00AM-2:30PM	DAILY	09/24/18-12/12/18	05 100	Quinlan, Jame	

## **CONST 109 EMPLOYMENT PREPARATION**

Additional Fee: 32.25

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
2232	4 Cr	8:00AM-2:30PM	DAILY	09/24/18-12/12/18	05 100	Quinlan, Jame	

## **CONST 126 ROOFING MATERIALS & INSTALLATION**

Introduction to various roofing materials, including proper installation techniques. ""

Additional Fee: 32.25

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
2242	3 Cr	8:00AM-2:30PM	DAILY	09/24/18-12/12/18	05 100	Quinlan, Jame	

## **CONST 134 EXTERIOR FINISH**

Introduction to the installation of exterior trim, siding, window and door installation, or the equivalent, of typical residential homes. ""

Additional Fee: 32.25

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
2252	3 Cr	8:00AM-2:30PM	DAILY	09/24/18-12/12/18	05 100	Quinlan, Jame	

## **CONST 139 INTERIOR FINISH I**

Additional Fee: 32.25

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
2262	5 Cr	8:00AM-2:30PM	DAILY	09/24/18-12/12/18	05 100	Quinlan, Jame	

# **CONSTRUCTION - SUSTAINABLE BUILDING SCIENCE**

## **SBS 107 SUSTAINABLE BUILDING BASICS**

Additional Fee: 32.25

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
2272	4 Cr	8:00AM-2:30PM	DAILY	09/24/18-12/12/18	05 100	Quinlan, Jame	

## **SBS 142 BUILDING ENVELOPE**

Additional Fee: 32.25

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
2292	4 Cr	8:00AM-2:30PM	DAILY	09/24/18-12/12/18	05 100	Quinlan, Jame	

## **SBS 150 MOISTURE MITIGATION**

Introduction to practices in construction that prevent moisture intrusion, as well as techniques for maintaining healthy living environments free from the destructive impacts of moisture.

Additional Fee: 32.25

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
2282	3 Cr	8:00AM-2:30PM	DAILY	09/24/18-12/12/18	05 100	Quinlan, Jame	

## **SBS 174 BASIC DIAGNOSTICS & TESTING**

Additional Fee: 32.25

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
22A2	4 Cr	8:00AM-2:30PM	DAILY	09/24/18-12/12/18	05 100	Quinlan, Jame	

## **SBS 185 SERVICE LEARNING PROJECT**

A capstone project that gives students an opportunity to apply their sustainable building science knowledge in a real life setting, focusing on helping nonprofit organizations achieve sustainability in the buildings where they live, work, and serve the public.

Additional Fee: 32.25

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
22B2	3 Cr	8:00AM-2:30PM	DAILY	09/24/18-12/12/18	05 100	Quinlan, Jame	

# **CORE ALLIED HEALTH**

## **CAH 102 MEDICAL TERMINOLOGY**

Provides students with the basic techniques of medical word building using basic word elements. The class will be organized according to specific body systems and will include key terms and the introduction of anatomical, physiological, and pathological terms.

Additional Fee: 24.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
3002	5 Cr	8:00AM-8:50AM	DAILY	09/24/18-12/14/18	21 109	Freyre, Marie	HYBRID
3012	5 Cr	ARRANGED	ARRANGED	09/24/18-12/12/18	ON LINE	Scott, Patric	ONLINE
3022	5 Cr	ARRANGED	ARRANGED	09/24/18-12/12/18	ON LINE	Freyre, Marie	ONLINE
3032	5 Cr	ARRANGED	ARRANGED	09/24/18-12/12/18	ON LINE	Freyre, Marie	ONLINE

## **CAH 105 COMPUTER APPLICATIONS**



Provides training in the uses of Microsoft Windows and related programs, with an introduction to Electronic Health Records. Students will use computers to develop touch control and proper keyboarding and 10-key techniques.

Additional Fee: 24.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
3042	5 Cr	10:00AM-10:50AM	DAILY	09/24/18-12/14/18	21 106	Mandley, L	HYBRID
3052	5 Cr	11:00AM-11:50AM	DAILY	09/24/18-12/14/18	21 106	Mandley, L	HYBRID
3062	5 Cr	3:00PM-5:30PM	MW	09/24/18-12/12/18	21 106	Mandley, L	HYBRID
3072	5 Cr	2:00PM-2:50PM	MW	09/24/18-12/14/18	21 106	Mandley, L	HYBRID

## **COSMETOLOGY**

### **COSMO 112 INFECTION CONTROL PRINCIPLES AND PRACTICES**

Acquire knowledge for successful and responsible infection control, first aid, and safety. Learn and apply concepts of microbiology for safe handling of tools, proper dispensing of chemicals, and prevention of the spread of bacteria in a school or salon as required by state board regulations. Obtain Barbicide certification.

Additional Fee: 84.40

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
5302	Var	7:30AM-3:00PM	TWThF	09/24/18-09/26/18	08 208	Chiaro, Loree	HYBRID

### **COSMO 116 GENERAL SCIENCE OF HAIR**

Learn why professional hair services must be based on an understanding of the growth, structure, and composition of hair. Gain skills in evaluating various hair and scalp conditions. Understand the purpose for draping and scalp massage as a foundation for attentive client care services.

Additional Fee: 84.40

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
5312	Var	7:30AM-3:00PM	TWThF	09/27/18-10/10/18	08 208	Chiaro, Loree	HYBRID

### **COSMO 123 COSMETOLOGY FUNDAMENTALS**

Study design and art principles to assist in achieving customized designs for the client. Gain skills in the art of consultation while developing professional behaviors for salon success and effective communication.

Additional Fee: 84.40

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
5322	Var	7:30AM-3:00PM	TWThF	10/11/18-10/17/18	08 208	Chiaro, Loree	HYBRID

### **COSMO 136 APPLICATIONS OF HAIRCUTTING AND HAIRSTYLING**

Additional Fee: 84.40

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
5332	Var	7:30AM-3:00PM	TWThF	10/18/18-12/12/18	08 208	Chiaro, Loree	HYBRID

### **COSMO 142 ADVANCED APPLICATIONS OF HAIRCUTTING & HAIRSTYLING**

This course presents techniques and procedures for fundamental clipper cutting, which build on the theory and previous experiences of haircutting and enables students to be current in haircutting trends. Wet

Styling introduces finger waving, pin curling, and roller placements, along with long hair designs. Infection control principles and practices are reinforced. Prerequisite(s): Successful completion of COSMO 136.

Additional Fee: 84.40

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
5342	4 Cr	7:30AM-3:00PM	TWThF	09/25/18-10/05/18	08 207	Mcmahill, Mel	HYBRID

### **COSMO 143 CHEMICAL TEXTURIZING**

This course presents the three main concepts of chemical texturizing: perming, chemical relaxing, and curl reforming. It covers the theory of perming, tool use to achieve desired effect, infection control, safety and first aid, client consultation, and patterns of perming. Prerequisite: Successful completion of COSMO 166 and COSMO 247.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
5202	5 Cr	8:00AM-4:00PM	DAILY	09/24/18-12/12/18	WCC128	Frink, Barb	

### **COSMO 146 CHEMICAL TEXTURE SERVICE**

Presentation of the three main concepts of chemical texturizing commonly known as permanent waving, relaxing with chemicals, and curl reforming and straightening. Brazilian blowout certification is achievable through this course. This course covers the theory of chemical texturizing and the tools used to achieve desired effects, infection control principles and practices, and client consultation. Prerequisite(s): Successful completion of COSMO 112, COSMO 116, COSMO 123, and COSMO 136.

Additional Fee: 84.40

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
53A2	5 Cr	7:30AM-3:00PM	TWThF	10/02/18-10/24/18	08 205	Frederick, Sa	HYBRID

### **COSMO 158 GENERAL SCIENCE OF HAIR COLORING**

Introduction to the creative artistry of color through the study of color theory, the use of the color wheel, and basic color applications and techniques. Formulating color will also be presented. Prerequisite(s): Successful completion of COSMO 112, COSMO 116, COSMO 123, and COSMO 136.

Additional Fee: 84.40

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
5352	7 Cr	7:30AM-3:00PM	TWThF	10/09/18-10/31/18	08 207	Mcmahill, Mel	HYBRID

### **COSMO 163 LAB CLINIC II**

Experience hands-on learning in a realistic salon setting. Fundamental and developing skills are reinforced and expanded as students provide consultation, haircutting, hairstyling, conditioning treatments, and hair coloring services on clients/models. Prerequisite(s): Successful completion of COSMO 142, COSMO 164 and COSMO 158, or instructor approval.

Additional Fee: 98.40

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
5372	9 Cr	7:30AM-3:00PM	TWThF	10/30/18-12/12/18	08 CL#2	Maguire, Patr	

### **COSMO 164 LAB CLINIC I**

Expand hands-on learning in a realistic salon setting. Fundamental and developing skills are reinforced and expanded as students provide consultation, haircutting, hairstyling, and conditioning treatments on clients/models. Prerequisite(s): Successful completion of COSMO 112, COSMO 116, COSMO 123, and COSMO 136.

Additional Fee: 98.40

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
5362	8 Cr	7:30AM-3:00PM	TWThF	11/01/18-12/12/18	08 CL#1	Mcmahill, Mel	HYBRID

### **COSMO 170 LAB CLINIC III**

Hands-on learning experience in Clover Park Technical College's student clinic. The learner will continue skills applied in Lab Clinic I and II, in addition to advanced design services. Prerequisite: Successful completion of COSMO 166 and COSMO 224. ""

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
5232	9 Cr	8:00AM-4:00PM	M	09/24/18-12/12/18	WCC128	Frink, Barb	

### **COSMO 172 LAB CLINIC III**

Continue to gain hands-on learning in a realistic salon setting. Fundamental and developing skills are reinforced and expanded as students provide consultation, haircutting, hairstyling, conditioning, hair coloring, and chemical texturizing services on clients/models. Prerequisite(s): Successful completion of COSMO 163, COSMO 181, COSMO 226, or instructor approval.

Additional Fee: 98.40

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
53B2	10 Cr	7:30AM-3:00PM	TWThF	10/25/18-12/12/18	08 CL#3	Frederick, Sa	

### **COSMO 175 COSMETOLOGY SALON BUSINESS PRACTICES**

Introduces the professional mindset and skills required to develop strategies for success. Learn the basic factors of salon business practices, such as business plans for salon owner/boot renter, importance of recordkeeping, retailing, creating a referral system, and building and retaining a clientele. Prerequisite(s): Successful completion of COSMO 112, COSMO 116, COSMO 123, COSMO 136, COSMO 142, COSMO 158, COSMO 163, COSMO 164, COSMO 181, and COSMO 226, or instructor approval.

Additional Fee: 84.40

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
53C2	3 Cr	7:30AM-3:00PM	TWThF	09/25/18-09/28/18	08 205	Frederick, Sa	HYBRID

### **COSMO 179 STUDY OF NAILS**

An introduction to the fundamental principles of manicuring and nail care. Topics include basic nail theory, nail disease and disorder, and anatomy of the hands. Prerequisite: Successful completion of COSMO 166. ""

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
5212	3 Cr	8:30AM-4:00PM	MTWTh	09/24/18-12/12/18	WCC128	Frink, Barb	

### **COSMO 181 ARTIFICIAL HAIR**

An informative overview of artificial hair principles. Prerequisite(s): Successful completion of COSMO 172 or instructor approval.

Additional Fee: 84.40

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
5382	2 Cr	7:30AM-3:00PM	TWThF	09/25/18-09/28/18	02 101	Maguire, Patr	HYBRID

### **COSMO 183 GENERAL STUDY OF NAILS**

Learn to work with the tools required for nail services and practice fundamental techniques for providing clients with a professional manicure and pedicure on natural nails. Topics include basic nail theory, nail disease, disorders, and anatomy of the hands. Practice skills in safety and sanitation associated with nail care. Students will engage in 100 hours of natural nail training, as well as preparation for the Washington Department of Licensing State Board Cosmetology written and practical exams.

Additional Fee: 84.40

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
-------------	-------------	--------------	-------------	------------------------	-----------------	----------------	-----------------

**COSMO 186 STUDY OF SKIN**

An introduction to the principles of esthetics. Topics include temporary hair removal, basic skin care, skin diseases and disorders, physiology and histology of the skin, and waxing services. Prerequisite: Successful completion of COSMO 166. ""

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
5222	3 Cr	8:00AM-4:00PM	MTWTh	09/24/18-12/12/18	WCC128	Frink, Barb	

**COSMO 189 GENERAL SCIENCE OF SKIN**

An introduction to esthetic sciences. Presents structure and growth, disorders and diseases, application and removal of temporary hair, facial massage, and cosmetics. Students will comply with all infection control principles and practices. Students will engage in 100 hours of skin care training, as well as preparation for the Washington Department of Licensing State Board Cosmetology written and practical examinations. Prerequisite(s): Successful completion of COSMO 112, COSMO 116, COSMO 123, COSMO 136, COSMO 142, COSMO 158, and COSMO 164, or instructor approval.

Additional Fee: 84.40

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
53U2	Var	12:00PM-3:00PM	TWF	09/25/18-12/12/18	02 101	Campbell, Ehr	

**COSMO 226 ADVANCED HAIR COLORING**

Reinforces skills and techniques of hair coloring applications and presents advanced patterns creating special effects for current trends and fashion. Develops skill in the special challenges of hair color and corrective solutions. Prerequisite(s): Successful completion of COSMO 158 and COSMO 172, or instructor approval.

Additional Fee: 84.40

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
5392	8 Cr	7:30AM-3:00PM	TWThF	10/02/18-10/26/18	08 208	Maguire, Patr	HYBRID

**COSMO 229 CLOVER PARK PRACTICAL PREPARATION**

Prepares students to sit for the Washington State Cosmetology or Hair Designer Practical Board examination. Prerequisite(s): Successful completion of COSMO 112, COSMO 116, COSMO 123, COSMO 136, COSMO 142, COSMO 146, COSMO 158, COSMO 163, COSMO 164, COSMO 172, COSMO 175, COSMO 181, and COSMO 226, or instructor approval.

Additional Fee: 84.40

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
53D2	4 Cr	7:30AM-3:00PM	TWThF	09/25/18-10/09/18	08 CL#4	Lind, Connie	HYBRID

**COSMO 231 LAB CLINIC IV**

Continue to gain hands-on learning experience in a realistic salon setting. Fundamental and developing skills are reinforced and expanded as students provide consultation, haircutting, hairstyling, conditioning, hair coloring, and chemical texturizing services on clients/models. Demonstrate skills with minimal supervision. Prerequisite(s): Successful completion of COSMO 172 or instructor approval.

Additional Fee: 98.40

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
53F2	10 Cr	7:30AM-3:00PM	WThF	10/17/18-12/04/18	08 CL#4	Lind, Connie	

**COSMO 233 LAB CLINIC V**

Gain 130 hours of hands-on learning in a realistic salon setting. Fundamental and developing skills are

reinforced and expanded as students provide consultation and natural nail care, including manicuring, pedicuring, and safety issues as they relates to nails. Basic skin care, including histology, hair removal, facial massage, and product application and removal, will also be performed. Prerequisite(s): Successful completion of COSMO 231 or instructor approval.

Additional Fee: 98.40

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
53L2	6 Cr	7:30AM-3:00PM	TWThF	09/24/18-12/12/18	08 TBD	Staff	

### **COSMO 236 STATE BOARD WRITTEN TEST REVIEW**

Prepares students for Washington State Cosmetology or Hair Designer Written Board Examinations.

Prerequisite(s): Successful completion of COSMO 172 or instructor approval.

Additional Fee: 84.40

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
53G2	3 Cr	7:30AM-3:00PM	WThF	10/10/18-10/16/18	08 205	Lind, Connie	HYBRID

### **COSMO 244 COSMETOLOGY CAPSTONE**

Arrange a portfolio that demonstrates a culmination of all skills, concepts, and achievements that summarize the Cosmetology or Hair Designer program under the discretion of the instructor.

Prerequisite(s): Successful completion of COSMO 112, COSMO 116, COSMO 123, COSMO 136, COSMO 142, COSMO 146, COSMO 158, COSMO 163, COSMO 164, COSMO 172, COSMO 175, COSMO 181, and COSMO 226, or instructor approval.

Additional Fee: 84.40

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
53H2	3 Cr	7:30AM-3:00PM	TWThF	12/05/18-12/12/18	08 CL#4	Lind, Connie	HYBRID

### **COSMO 248 INDUSTRY INTERNSHIP I**

Provides on-the-job experience for students in the field of cosmetology. This is an optional 33-hour course for students desiring an internship experience or who need additional hours to meet the state licensing requirements. Prerequisite: Successful completion of 'COSMO 230. "

Additional Fee: 98.40

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
53M2	1 Cr	ARRANGED	ARRANGED	09/24/18-12/12/18	ARR	Lind, Connie	

### **COSMO 250 INDUSTRY INTERNSHIP II**

Provides on-the-job experience for students in the field of cosmetology. This is an optional 66-hour course for students desiring an internship experience or who need additional hours to meet the state licensing requirements. Prerequisite: Successful completion of COSMO 230.

Additional Fee: 98.40

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
53N2	2 Cr	ARRANGED	ARRANGED	09/24/18-12/12/18	ARR	Lind, Connie	

### **COSMO 252 INDUSTRY INTERNSHIP III**

Provides on-the-job experience for students in the field of cosmetology. This is an optional 99-hour course for students desiring an internship experience or who need additional hours to meet the state licensing requirements. Prerequisite: Successful completion of COSMO 230. ""

Additional Fee: 98.40

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
53P2	3 Cr	ARRANGED	ARRANGED	09/24/18-12/12/18	ARR	Lind, Connie	

## **COSMO 254 INDUSTRY INTERNSHIP IV**

Provides on-the-job experience for students in the field of cosmetology. This is an optional 132-hour course for students desiring an internship experience or who need additional hours to meet the state licensing requirements. Prerequisite: Successful completion of COSMO 230.

Additional Fee: 98.40

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
53Q2	4 Cr	ARRANGED	ARRANGED	09/24/18-12/12/18	ARR	Lind, Connie	

## **COSMO 256 INDUSTRY INTERNSHIP V**

Provides on-the-job experience for students in the field of cosmetology. This is an optional 160-hour course for students desiring an internship experience or who need additional hours to meet the state licensing requirements. Prerequisite: Successful completion of COSMO 230.

Additional Fee: 98.40

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
53R2	5 Cr	ARRANGED	ARRANGED	09/24/18-12/12/18	ARR	Lind, Connie	

# **CULINARY ARTS**

## **CUL 104 SANITATION IN FOOD SERVICE OPERATIONS**

Presents the principles of food microbiology, food borne illness and the standards that are enforced by regulatory agencies. Applied measures for the prevention of food borne illness and other microbiological factors are incorporated. National Restaurant Association ServSafe Certification.

Instructor Permission required.

Additional Fee: 155.40

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
3542	3 Cr	10:00AM-1:00PM	WF	09/26/18-12/12/18	23 313	Newman, Shell	

## **CUL 109 COOKING METHODS I**

Introduces students to the experience of preparing and cooking meals for restaurant service. Students will be given assignments and will rotate through restaurant stations throughout the quarter. Students will learn dishwashing and basic food preparation, how to read and follow standardized recipes, deli operations, and station organization.

Instructor Permission required.

Additional Fee: 140.70

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
3202	7 Cr	9:00AM-1:45PM	WThF	09/26/18-12/12/18	31 100	Massey, Richa	

## **CUL 123 COOKING METHODS II**

Introduces the experience of preparing and cooking meals for restaurant service. Students will be given assignments and will rotate through restaurant stations throughout the quarter. They will be expected to practice a high level of previously learned competencies in knife skills, sanitation, proper handling and storage of product, and working under stringent time guidelines. Prerequisite(s): Successful completion of CUL 109.

Instructor Permission required.

Additional Fee: 140.70

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
3212	7 Cr	9:00AM-1:45PM	WThF	09/26/18-12/12/18	31 100	Massey, Richa	

### **CUL 127 PROFESSIONAL COOKING III**

Introduces students to basic meat cooking procedures, breakfast cookery, and dairy products. Students will learn the composition of meats, eggs, and dairy products and apply various cooking methods.

Instructor Permission required.

Additional Fee: 175.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
3222	7 Cr	7:00AM-9:00AM	DAILY	09/24/18-12/12/18	31 100	Massey, Richa	ENHANCED

### **CUL 132 AMERICAN REGIONAL CUISINE**

Explores the history and styles of food from the Pacific Northwest, California, the Southwest, New England, and Florida. Students will create regionally-inspired dishes with continued emphasis on solid cooking methodologies.

Instructor Permission required.

Additional Fee: 155.40

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
3232	3 Cr	9:00AM-2:00PM	MT	11/05/18-12/11/18	31 100	Massey, Richa	ENHANCED

### **CUL 135 FOOD PREPARATION III**

Focuses on beef, chicken, and fish cookery and fabrication. Instruction will center on understanding the structure and composition of meats, being able to identify a variety of fish and shellfish, use of proper storage, and application of various cooking methods.

Instructor Permission required.

Additional Fee: 155.40

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
3242	3 Cr	9:00AM-2:00PM	MT	09/24/18-10/30/18	31 100	Massey, Richa	ENHANCED

### **CUL 139 COOKING METHODS III**

Introduces students to the experience of preparing and cooking meals for restaurant service. Students will be given assignments and will rotate through restaurant stations throughout the quarter. Students will be expected to practice a high level of previously learned competencies in knife skills, sanitation, proper handling and storage of product, and working under stringent time guidelines. Prerequisite(s): Successful completion of CUL 123.

Instructor Permission required.

Additional Fee: 140.70

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
3252	7 Cr	9:00AM-1:45PM	WThF	09/26/18-12/12/18	31 100	Massey, Richa	

## **DENTAL ASSISTANT**

### **DAS 103 GENERAL STUDIES**

Introduces students to the dental profession and cultural diversity, including how to correctly recognize and identify the various occupations within the dental field, as well as the terminology necessary to complete all

other courses.

Instructor Permission required.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
7702	4 Cr	ARRANGED	ARRANGED	09/24/18-12/10/18	ON LINE	Wirth, R	ONLINE

### **DAS 105 BIOMEDICAL SCIENCES**

Introduces students to the sciences of microbiology, disease transmission, occupational health and safety, ergonomics, and the processes and procedures for infection prevention, disinfection, instrument processing, and sterilization. Students will be able to demonstrate how to prevent disease transmission and the proper handling of infectious and hazardous materials.

Instructor Permission required.

Additional Fee: 19.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
7712	4 Cr	12:00PM-1:00PM	MTWTh	09/26/18-12/12/18	21 109	Wirth, R	HYBRID

### **DAS 110 DENTAL SCIENCES I**

Students will explore information that will assist in accurately identifying oral anatomy, oral embryology, histology, common facial landmarks, and key elements of personal oral hygiene and nutrition.

Instructor Permission required.

Additional Fee: 24.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
7722	5 Cr	12:00PM-1:00PM	TTh	09/27/18-12/13/18	21 109	Wirth, R	HYBRID

### **DAS 113 DENTAL ASSISTING SKILLS I**

Introduces students to the techniques that will enable them to successfully achieve the goal of proper moisture control to provide better visibility in the operating field, reduce the transmission of infectious diseases, and maintain a safe laboratory environment. Students will learn to take alginate impressions, pour and trim diagnostic study casts, and to accurately record vital signs, including blood pressure, pulse, and respiration. Students will be able to accurately identify dental charting symbols.

Instructor Permission required.

Additional Fee: 19.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
7732	4 Cr	12:00PM-1:00PM	Th	10/11/18-11/13/18	21 109	Wirth, R	HYBRID

### **DAS 116 FOUNDATIONS OF CLINICAL DENTISTRY**

Introduces students to the management of a medical or dental emergency in the dental office. In addition, students will be introduced to the dental treatment room, including the proper names, descriptions, use and care of dental instruments and equipment used in restorative dental procedures.

Instructor Permission required.

Additional Fee: 19.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
7742	4 Cr	12:00PM-1:00PM	T	09/25/18-11/13/18	21 109	Wirth, R	HYBRID

### **DAS 118 PRINCIPLES OF RADIOGRAPHY I**

Introduces students to the theory of radiographic techniques, including patient and operator safety while exposing radiographs.

Instructor Permission required.

Additional Fee: 4.90



<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
7752	1 Cr	12:00PM-1:00PM	W	11/14/18-12/05/18	21 109	Wirth, R	HYBRID

### **DAS 223 DENTAL SCIENCES III**

Introduces students to the science of pharmacology, including the recognition of potential drug interactions and the subject of anesthesia and pain control as it applies to dentistry. Also introduces students to anesthesia and pain control, lab and impression materials, and the medically and physically compromised patient. Prerequisite(s): Students must successfully complete DAS 103, 105, 110, 113, 116, 118, 120, 125, 130, 135, and 140 and complete the Infection Control component of the DANB certification exam prior to continuing in the Dental Assistant Program.

Additional Fee: 14.70

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
77A2	3 Cr	9:00AM-11:00AM	T	09/24/18-12/11/18	21 109	Precour, Hann	HYBRID

### **DAS 224 DENTAL ASSISTING SKILLS III**

Introduces the theory and practice of chair-side assisting, including oral evacuation and instrument exchange. Students are introduced to advanced chair-side instruments, tray systems, charting, study models, and rubber-dam application techniques. This course covers the assembly and placement of matrix systems. Students will expose, process, and mount a minimum of three full-mouth series of radiographic images, both on film and digitally. This course's culminating project covers the operatory preparation and assisting during restorative procedures. Prerequisite(s): Students must successfully complete DAS 103, 105, 110, 113, 116, 118, 120, 125, 130, 135, and 140 and complete the Infection Control component of the DANB certification exam prior to continuing in the Dental Assistant Program.

Additional Fee: 34.30

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
77B2	7 Cr	9:00AM-11:00AM	M	09/24/18-12/11/18	21 109	Precour, Hann	HYBRID

### **DAS 226 DENTAL SPECIALTIES II**

This course provides an in-depth exploration of the dental specialties of fixed prosthodontics, removable prosthodontics and dental implants, oral and maxillofacial surgery, and pediatric dentistry. Students will also be introduced to the expanded function of pit and fissure sealants, construction and placement of provisional crowns and bridges, polishing full and partial dentures, and retraction cord placement. Students will also prepare the operatory, give post-operative instructions, and document in the patient chart a variety of specialty procedures. Prerequisite(s): Students must successfully complete DAS 103, 105, 110, 113, 116, 118, 120, 125, 130, 135, and 140 and complete the Infection Control component of the DANB certification exam prior to continuing in the Dental Assistant Program.

Additional Fee: 39.20

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
77C2	8 Cr	9:00AM-11:00AM	W	09/26/18-12/13/18	21 109	Precour, Hann	HYBRID

### **DAS 228 CERTIFICATION REVIEW II**

Prepares students to take the Radiation Health and Safety exam through the Dental Assistant National Board. Prerequisite(s): Students must successfully complete DAS 103, 105, 110, 113, 116, 118, 120, 125, 130, 135, and 140 and complete the Infection Control component of the DANB certification exam prior to continuing in the Dental Assistant Program.

Additional Fee: 274.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
77D2	1 Cr	ARRANGED	ARRANGED	09/24/18-11/26/18	ON LINE	Precour, Hann	ONLINE

### **DAS 237 CLINICAL EXPERIENCE I**

Provides Dental Assistant students with the opportunity to use the skills and information acquired in DAS 103-228. Students will spend three hours per week ' for a total of 30 hours ' volunteering in an infection-control assistant capacity in a private office or dental clinic. Prerequisite(s): Students must successfully complete DAS 103, 110, 113, 116, 118, 120, 125, 130, 135, and 140 and complete the Infection Control certification prior to continuing in the Dental Assistant Program.

Additional Fee: 14.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
77F2	1 Cr	ARRANGED		09/24/18-12/06/18	ARR	Precour, Hann	ENHANCED

### **DAS 243 CERTIFICATION REVIEW III**

Prepares students to take the final component of the Dental Assistant National Board exam, General Chairside. Upon successful completion of the exam and all Dental Assistant courses, students will receive their Certified Dental Assistant credentials and be eligible for graduation. Prerequisite(s): Students must successfully complete DAS 103, 105, 110, 113, 116, 118, 120, 125, 130, 135, 140, 223, 224, 226, 228, and 237, their Infection Control certification, and their Radiation Health & Safety component prior to continuing in the Dental Assistant Program.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
77G2	1 Cr	ARRANGED	ARRANGED	09/24/18-12/12/18	ON LINE	Wirth, R	ONLINE

### **DBOA 103 DENTAL TERMINOLOGY & PROCEDURES**

Introduces information to correctly recognize and identify various occupations within the dental environment. Students will also learn terminology necessary to complete the other courses in the program. Students will learn to accurately identify the names and numbers of teeth in the primary and permanent dentition. Students will complete the Washington State Dental Association (WSDA) HIV/AIDS course.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
7762	4 Cr	ARRANGED	ARRANGED	09/24/18-12/10/18	ON LINE	Wirth, R	ONLINE

### **DBOA 111 DENTAL CHARTING, SCHEDULING & RECALL MANAGEMENT**

Explores dental charting symbols and treatment descriptions. Students will develop, decipher, and present a comprehensive treatment plan. Covers the necessary information to accurately develop a patient recall system and maintain productive and effective patient scheduling. Students will have training and 24-hour access to the Dentrix Dental Software to learn and practice dental charting, scheduling, and recall procedures. Prerequisite(s): DBOA 103 (or co-requisite).

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
7772	5 Cr	ARRANGED	ARRANGED	09/24/18-12/10/18	ON LINE	Wirth, R	ONLINE

### **DBOA 119 DENTAL DOCUMENTS AND INVENTORY SYSTEMS**

Explores a wide variety of dental office forms and the development of manual and computerized inventory filing systems. Organizational skills are the primary emphasis of this course. Prerequisite(s): DBOA 103

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
7782	4 Cr	ARRANGED	ARRANGED	09/24/18-12/10/18	ON LINE	Wirth, R	ONLINE

### **DBOA 135 DENTRIX ADVANCED TRAINING**

Provides expanded Dentrix software skills to students with basic Dentrix Dental Software training or experience. Students will have training and 24-hour access to the software. Students will demonstrate setting up practice defaults in the Office Manager module, manage electronic charting in the Dentrix Dental Software, pursue dental insurance claims processing and payment posting processes, and explore and generate management reports. Prerequisite: DBOA 111 or industry experience with the Dentrix Dental Software.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
-------------	-------------	--------------	-------------	------------------------	-----------------	----------------	-----------------

# **DIGITAL ENTERTAINMENT DESIGN AND PRODUCTION**

## **DED 102 GENRE STUDIES**

Covers history of film and how economy and politics affect films through hidden symbolism.

Additional Fee: 39.70

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
90G2	Var	1:00PM-6:00PM	F	09/28/18-12/07/18	11 142	Felch, Chris	ENHANCED

## **DED 104 GENERAL ART**

This course covers the fundamentals of traditional art and basic skills of visual expression.

Additional Fee: 44.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
90C2	Var	1:00PM-6:00PM	M	09/24/18-12/10/18	11 142	Geary, Shawn	ENHANCED

## **DED 106 DIGITAL ART I**

Overview of the primary industry software tools used in the creation of 2D computer graphics: Adobe Photoshop and Adobe Illustrator. Students will learn the commands and the interfaces of industry-standard raster graphics and vector graphics with photo modification.

Additional Fee: 44.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
90F2	Var	1:00PM-6:00PM	Th	09/27/18-12/06/18	11 107	Geary, Shawn	ENHANCED

## **DED 108 SCREEN WRITING**

Introduces the fundamentals of writing and working with scripts for many different media projects. This will include, but is not limited to, the creation and breakdown of scenes using voice, action, and dialogue. Co-requisites: ENG 094.

Additional Fee: 39.70

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
90D2	Var	1:00PM-6:00PM	W	09/26/18-12/12/18	11 107	Felch, Chris	ENHANCED

## **DED 120 DIGITAL PHOTOGRAPHY II**

Builds on the previous course concentrating on using light effectively. Students will begin to use photographic lights to take studio-style photographs of still life, working up to portrait photography.

Prerequisite(s): Successful completion of DED 110.

Additional Fee: 44.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
90B2	Var	1:00PM-6:00PM	Th	09/27/18-12/06/18	11 142	Felch, Chris	ENHANCED

## **DED 125 DIGITAL VIDEO I**

Introduces students to digital video equipment and proper handling. Hands-on work will involve 3-point lighting, continuity, sound, and basic editing. Students will complete a variety of technical exercises, which

will familiarize them with terms and equipment.

Additional Fee: 44.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
9092	Var	1:00PM-6:00PM	T	09/25/18-12/11/18	11 142	Geary, Shawn	ENHANCED

### **DED 127      ADVANCED MEDIA CREATION**

Covers advanced creation and critique of digital entertainment through an iterative design and development process.

Additional Fee: 44.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
90K2	4 Cr	10:30AM-1:00PM	WTh	09/28/18-12/07/18	11 142	Geary, Shawn	HYBRID

### **DED 138      ADVANCED DEVELOPMENT TOOLS**

A course covering the use of advanced tools of media production. Students will develop projects using the industry tools of their medium. Students will choose between using the advanced software of their medium to create professional grade projects to use in a personal portfolio showcasing their talents and skills.

Additional Fee: 44.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
90J2	4 Cr	10:30AM-1:00PM	MT	09/28/18-12/07/18	11 142	Geary, Shawn	ENHANCED

### **DED 145      DIGITAL EDITING**

Covers digital editing using Adobe Premiere Pro. Students will work with nested, single-frame, and multiple-sequencing editing tools to export to a variety of formats and for websites like YouTube, adding multi-track audio, transitions, and simple effects.

Additional Fee: 44.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
90A2	Var	1:00PM-6:00PM	W	09/26/18-12/12/18	11 107	Geary, Shawn	ENHANCED

### **DED 150      3D MODELING I**

Uses 3D Studio Max, specialized software that is commonly used to create 3-Dimensional graphics. The majority of the class is spent becoming familiar with the software through class tutorials and weekly assignments and learning basic techniques, such as box modeling. By completing this class, students will be able to create models that can be used in film or games.

Additional Fee: 44.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
9082	Var	1:00PM-6:00PM	M	09/24/18-12/10/18	11 107	Felch, Chris	ENHANCED

### **DED 170      3D MODELING III**

Teaches students advanced techniques in modeling using 3D Studio Max, such as NURBS, lighting and reflection effects, and particle systems. Students will apply these methods to create organic and hard-surface models Prerequisite(s): Successful completion of DED 106 and DED 158.

Additional Fee: 44.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
9022	4 Cr	1:00PM-6:00PM	T	09/25/18-12/11/18	11 107	Felch, Chris	ENHANCED

### **DED 174      3D ANIMATION**

Introduces the methods and techniques of animating virtual objects and environments using 3D Studio Max. Students will bring life to 3D Models with basic animation techniques using and combining modifiers

to control the animation. They will explore the features, such as key frames, track view, function curves, animation constraints, and controllers. Prerequisite(s): Successful completion of DED 158.

Additional Fee: 44.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
9062	4 Cr	3:30PM-6:00PM	F	09/28/18-12/07/18	11 107	Geary, Shawn	HYBRID

### **DED 183 INTERACTIVITY GUIDANCE**

A class exploring the interaction between the technical skills of digital entertainment creators and their deliverable product. Students will work in their respective mediums to take control of communications between their medium and their audience to create new digital entertainment projects.

Additional Fee: 39.70

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
90L2	3 Cr	10:30AM-1:00PM	F	09/28/18-12/07/18	11 142	Geary, Shawn	HYBRID

## **EARLY CARE AND EDUCATION**

### **ECE 134 ISSUES AND TRENDS GREEN**

Research topics that cover some of the current sustainable practices and trends in the ECE field.

Additional Fee: 6.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4102	2 Cr	5:00PM-6:00PM	M	10/01/18-12/10/18	10 111	Colombini, Li	

### **ECE 190 PRACTICUM 4: GREEN**

Provides the student with the opportunity for practical field experience with a sustainable practices or 'green' specialization. Includes a seminar component.

Additional Fee: 23.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4112	3 Cr	5:00PM-6:00PM	M	10/01/18-12/10/18	10 111	Colombini, Li	

### **ECE 194 PRACTICUM 4: THE EMOTIONALLY INTELLIGENT CHILD**

Provides the student with the opportunity for practical field experience with an emotional intelligence specialization. Includes a seminar component.

Additional Fee: 23.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4122	3 Cr	5:00PM-6:00PM	M	10/01/18-12/10/18	10 111	Colombini, Li	

### **ECE 198 PRACTICUM 4: WORKING WITH FAMILIES**

Provides the student with the opportunity for practical field experience with a specialization in working with families. Includes a seminar component.

Additional Fee: 23.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4132	3 Cr	5:00PM-6:00PM	M	10/01/18-12/10/18	10 111	Colombini, Li	

### **ECE 219 PRACTICUM 4: RESPONSIVE CAREGIVING FOR INFANTS**

Explores responsive caregiving for infants and toddlers, including best practices, building trust, environments, creating lesson plans, theories of development, and collaborating with families.

Additional Fee: 23.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4142	3 Cr	5:00PM-6:00PM	M	10/01/18-12/10/18	10 111	Colombini, Li	

### **ECE 230 INCLUSION IN ECE**

Introduction to including children with special needs in the ECE field. Exploring our own cultural awareness supports our work with diverse populations and is paramount to planning for and interacting with young children and their families. In this course, you will explore the various aspects of bias to develop strategies and an anti-bias approach within the early childhood curriculum.

Additional Fee: 9.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4152	3 Cr	6:00PM-9:15PM	W	09/26/18-11/28/18	10 205	Edmondson, Re	

### **ECE 245 DIVERSITY AWARENESS & CURRICULUM DEVELOPMENT**

Exploring our own cultural awareness supports our work with diverse populations and is paramount to planning for and interacting with young children and their families. In this course, you will explore the various aspects of bias to develop strategies and an anti-bias approach within the Early Childhood Curriculum.

Additional Fee: 9.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4162	3 Cr	6:00PM-9:00PM	T	10/02/18-12/04/18	10 205	Havens, Amber	

### **ECE 290 PORTFOLIO ADVENTURE**

Provides the student with the opportunity to compile their Early Care and Education degree portfolio. The portfolio adventure is an opportunity for the student to establish self-marketing goals in the field and to produce an end-product that reflects the student's best practice, passion, and experience to date in the program and field. Students will receive instructor guidance and feedback and will participate in the ECE portfolio review process prior to graduation.

Additional Fee: 6.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4172	2 Cr	6:15PM-7:15PM	M	10/01/18-12/13/18	10 205	Colombini, Li	

### **ECED& 100 BASIC CHILD CARE TRAINING (STARS)**

Designed to meet licensing requirements for early learning teachers and family home child care providers, the STARS 30-hour basics course is recognized in the MERIT system. Topics include child growth/development, cultural competency, community resources, guidance, health/safety/nutrition, and professional practice.

Additional Fee: 9.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4192	3 Cr	9:30AM-12:30PM	Sa	09/29/18-12/08/18	10 111	Holland-Oher	
4182	3 Cr	ARRANGED	ARRANGED	10/01/18-12/10/18	ON LINE	Felch, Linda	ONLINE

### **ECED& 105 INTRODUCTION TO EARLY CHILDHOOD EDUCATION**

Explore the foundations of early childhood education. Examine theories defining the field, issues and trends, best practices, and program models. Observe children, professionals, and programs in action.

Additional Fee: 15.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
-------------	-------------	--------------	-------------	------------------------	-----------------	----------------	-----------------

41A2 5 Cr 6:15PM-10:15PM M 10/01/18-12/10/18 10 111 Felch, Linda HYBRID

### **ECED& 107 HEALTH, NUTRITION AND SAFETY**

Develop knowledge and skills to ensure good health, nutrition, and safety of children in group care and education programs. Recognize the signs of abuse and neglect, responsibilities for mandated reporting, and available community resources.

Additional Fee: 15.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
41B2	5 Cr	6:00PM-10:10PM	W	09/26/18-12/12/18	10 111	Lockhart, Sal	ENHANCED

### **ECED& 120 PRACTICUM: NURTURING RELATIONSHIPS**

Students will apply theories of best practices in an early learning setting. Focus will be on developing supportive relationships while keeping children health and safe.

Additional Fee: 6.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
41C2	2 Cr	4:00PM-5:00PM	M	10/01/18-12/10/18	10 111	Colombini, Li	

### **ECS 100A SPECIAL TOPICS - SUMMER**

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
1380	Var	ARRANGED	ARRANGED	09/24/18-12/12/18	OFFCAMP	Holland-Oher	

### **ECS 100B SPECIAL TOPICS - FALL**

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
1301	Var	ARRANGED	ARRANGED	09/24/18-12/12/18	OFFCAMP	Holland-Oher	
1302	Var	ARRANGED	ARRANGED	09/24/18-12/12/18	OFFCAMP	Chase-Deitri	
1303	Var	ARRANGED	ARRANGED	09/24/18-12/12/18	OFFCAMP	Lockhart, Sal	
1304	Var	ARRANGED	ARRANGED	09/24/18-12/12/18	OFFCAMP	Chase-Deitri	
1305	Var	ARRANGED	ARRANGED	09/24/18-12/12/18	OFFCAMP	Colombini, Li	
1306	Var	ARRANGED	ARRANGED	09/24/18-12/12/18	OFFCAMP	Holland-Oher	
1307	2 Cr	ARRANGED	ARRANGED	09/24/18-12/12/18	OFFCAMP	Colombini, Li	
1308	Var	ARRANGED	ARRANGED	09/24/18-12/12/18	OFFCAMP	Edmondson, Re	
1309	Var	ARRANGED	ARRANGED	09/24/18-12/12/18	OFFCAMP	Felch, Linda	
1310	Var	ARRANGED	ARRANGED	09/24/18-12/12/18	OFFCAMP	Felch, Linda	
1311	Var	ARRANGED	ARRANGED	09/24/18-12/12/18	OFFCAMP	Felch, Linda	
1312	Var	ARRANGED	ARRANGED	09/24/18-12/12/18	OFFCAMP	Holland-Oher	
1313	Var	ARRANGED	ARRANGED	09/24/18-12/12/18	OFFCAMP	Edmondson, Re	
1315	Var	ARRANGED	ARRANGED	09/24/18-12/12/18	OFFCAMP	Holland-Oher	
1316	Var	ARRANGED	ARRANGED	09/24/18-12/12/18	OFFCAMP	Felch, Linda	
1317	Var	ARRANGED	ARRANGED	09/24/18-12/12/18	OFFCAMP	Lockhart, Sal	
1318	Var	ARRANGED	ARRANGED	09/24/18-12/12/18	OFFCAMP	Lockhart, Sal	
1319	Var	ARRANGED	ARRANGED	09/24/18-12/12/18	OFFCAMP	Felch, Linda	
1321	Var	ARRANGED	ARRANGED	09/24/18-12/12/18	OFFCAMP	Lockhart, Sal	
1322	Var	ARRANGED	ARRANGED	09/24/18-12/12/18	OFFCAMP	Colombini, Li	
1323	Var	ARRANGED	ARRANGED	09/24/18-12/12/18	OFFCAMP	Edmondson, Re	
1328	Var	ARRANGED	ARRANGED	09/24/18-12/12/18	OFFCAMP	Colombini, Li	
1330	Var	ARRANGED	ARRANGED	09/24/18-12/12/18	OFFCAMP	Holland-Oher	

1332	Var	ARRANGED	ARRANGED 09/24/18-12/12/18 OFFCAMP	Felch, Linda
1333	Var	ARRANGED	ARRANGED 09/24/18-12/12/18 OFFCAMP	Holland-Oher
1334	Var	ARRANGED	ARRANGED 09/24/18-12/12/18 OFFCAMP	Edmondson, Re
1340	Var	ARRANGED	ARRANGED 09/24/18-12/12/18 OFFCAMP	Holland-Oher
1341	Var	ARRANGED	ARRANGED 09/24/18-12/12/18 OFFCAMP	Chase-Deitri
1342	Var	ARRANGED	ARRANGED 09/24/18-12/12/18 OFFCAMP	Holland-Oher
1346	Var	ARRANGED	ARRANGED 09/24/18-12/12/18 OFFCAMP	Lockhart, Sal
1354	1 Cr	ARRANGED	ARRANGED 09/24/18-12/12/18 OFFCAMP	Edmondson, Re
1355	Var	ARRANGED	ARRANGED 09/24/18-12/12/18 OFFCAMP	Edmondson, Re
1356	Var	ARRANGED	ARRANGED 09/24/18-12/12/18 OFFCAMP	Holland-Oher
1360	Var	ARRANGED	ARRANGED 09/24/18-12/12/18 OFFCAMP	Edmondson, Re
1362	Var	ARRANGED	ARRANGED 09/24/18-12/12/18 OFFCAMP	Holland-Oher
1366	Var	ARRANGED	ARRANGED 09/24/18-12/12/18 OFFCAMP	Chase-Deitri
1369	Var	ARRANGED	ARRANGED 09/24/18-12/12/18 OFFCAMP	Chase-Deitri
1370	Var	ARRANGED	ARRANGED 09/24/18-12/12/18 OFFCAMP	Lockhart, Sal
1375	Var	ARRANGED	ARRANGED 09/24/18-12/12/18 OFFCAMP	Felch, Linda
1376	Var	ARRANGED	ARRANGED 09/24/18-12/12/18 OFFCAMP	Chase-Deitri
1377	Var	ARRANGED	ARRANGED 09/24/18-12/12/18 OFFCAMP	Felch, Linda
1382	Var	ARRANGED	ARRANGED 09/24/18-12/12/18 OFFCAMP	Chase-Deitri
1383	2 Cr	ARRANGED	ARRANGED 09/24/18-12/12/18 OFFCAMP	Colombini, Li
1384	4 Cr	ARRANGED	ARRANGED 09/24/18-12/12/18 OFFCAMP	Edmondson, Re
1388	Var	ARRANGED	ARRANGED 09/24/18-12/12/18 OFFCAMP	Edmondson, Re
1389	2 Cr	ARRANGED	ARRANGED 09/24/18-12/12/18 OFFCAMP	Edmondson, Re
1390	Var	ARRANGED	ARRANGED 09/24/18-12/12/18 OFFCAMP	Edmondson, Re
1393	Var	ARRANGED	ARRANGED 09/24/18-12/12/18 OFFCAMP	Edmondson, Re
1394	Var	ARRANGED	ARRANGED 09/24/18-12/12/18 OFFCAMP	Edmondson, Re
1398	Var	ARRANGED	ARRANGED 09/24/18-12/12/18 OFFCAMP	Felch, Linda

### **ECS 110 COMPUTER ESSENTIALS FOR THE ECE PROFESSIONAL**

Covers the essential computer tools and techniques necessary for the ECE professional. Designing forms, parent newsletters, flyers, brochures and other materials needed for the smooth running of the child care center. Text required.

Additional Fee: 31.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
41D2	4 Cr	6:00PM-10:00PM	Th	09/27/18-12/13/18	11 107	Felch, Chris	HYBRID

### **ECS 181 EARLY CARE AND EDUCATION PRACTICUM I**

Practical field experience at the work site. Students combine classroom study with related work experience under the supervision of professional practitioners. Includes a scheduled seminar component. Text required.

Additional Fee: 29.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
41F2	5 Cr	4:00PM-5:00PM	M	10/01/18-12/10/18	10 111	Colombini, Li	

### **ECS 202 PRESCHOOL ACTIVITIES**

Covers developmentally appropriate activities for preschoolers. This is a hands-on class that will provide a chance for making and sharing samples.



Additional Fee: 6.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
41G2	2 Cr	6:00PM-9:00PM	T	10/02/18-11/20/18	10 111	Lockhart, Sal	ENHANCED

### **ECS 217 PRACTICUM IV INFANTS AND TODDLERS**

Provides the student with the opportunity for practical field experience with specialization in infants and toddlers.

Additional Fee: 23.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
41H2	3 Cr	5:00PM-6:00PM	M	10/01/18-12/10/18	10 111	Colombini, Li	

### **ECS 230 PRACTICUM IV SCHOOL AGE**

Provides the student with the opportunity for practical field experience with school age specialization.

Additional Fee: 23.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
41J2	3 Cr	5:00PM-6:00PM	M	10/01/18-12/10/18	10 111	Colombini, Li	

### **ECS 235 ISSUES AND TRENDS**

Research that covers some of the current issues and trends in the ECE field.

Additional Fee: 6.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
41K2	2 Cr	5:00PM-6:00PM	M	10/01/18-12/10/18	10 111	Colombini, Li	

### **ECS 266 LEADERSHIP IN EARLY CHILDHOOD EDUCATION**

Designed for leaders in the early childhood field. Essential skills for effective leadership will be covered: creating a shared vision, team building, managing change, personal development, communication, conflict management, staff development, and empowerment strategies.

Additional Fee: 12.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
41L2	4 Cr	5:30PM-9:30PM	Th	09/27/18-12/13/18	10 111	Chase-Deitri	

### **ECS 286 PRACTICUM IV - LEADERSHIP**

Provides the opportunity for a practical field experience with a leadership specialization. Includes a seminar component. Text required.

Additional Fee: 23.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
41M2	3 Cr	5:00PM-6:00PM	M	10/01/18-12/10/18	10 111	Colombini, Li	

### **ECS 287 PRACTICUM IV - CHILD DEVELOPMENT**

Provides the opportunity for a practical field experience with a Child Development specialization. Includes a seminar component. Text required.

Additional Fee: 23.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
41N2	3 Cr	5:00PM-6:00PM	M	10/01/18-12/10/18	10 111	Colombini, Li	

### **ECS 288 PRACTICUM IV - FAMILY CHILDCARE PROFESSIONAL**

Provides the opportunity for a practical field experience with a Family Childcare specialization. Includes a

seminar component. Text required.

Additional Fee: 23.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
41P2	3 Cr	5:00PM-6:00PM	M	10/01/18-12/10/18	10 111	Colombini, Li	

### **ECS 297 ECE PRACTICUM IV: SPECIAL NEEDS**

Provides the opportunity for a practical field experience with special needs specialization. Includes a seminar component.

Additional Fee: 23.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
41Q2	3 Cr	5:00PM-6:00PM	M	10/01/18-12/10/18	10 111	Colombini, Li	

## **ELECTRICIAN LOW VOLTAGE FIRE/SECURITY**

### **EFS 105 AC/DC: BASIC THEORY, FRACTIONS & OHMS LAW**

Introduces basic theory of electricity, electrical measurements of circuits, fractions, Ohm's law, decimals, and decimal fractions. Covers formulas in electrical work, positive and negative numbers, exponents, powers of 10, and solving Ohm's law.

Instructor Permission required.

Additional Fee: 25.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
5802	7 Cr	7:30AM-3:00PM	DAILY	09/24/18-12/12/18	14 213	Saucedo, Chis	

### **EFS 106 AC/DC ELECTRICITY: SERIES, PARALLEL & COMB CIRCU**

Introduces students to voltage, current, resistance, total values, and control of current in a series circuit. Introduction to parallel circuits, current and resistance, and voltage in a parallel circuit. Prerequisite(s): EFS 105, or instructor's permission.

Instructor Permission required.

Additional Fee: 25.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
5812	7 Cr	7:30AM-3:00PM	DAILY	09/24/18-12/12/18	14 213	Saucedo, Chis	

### **EFS 107 AC/DC: ELECTRICITY: ELECTRICAL POWER & POWER APP**

Introduces electric power in electric circuits, solving the power formula for current and voltage. Algebra for complex electric circuits. Resistance of wire of different sizes and length, sizing wire for a given load. Instantaneous values, maximum values and phase angles of an AC sine wave. Prerequisite(s): Successful completion of EFS 106, or instructor's permission.

Instructor Permission required.

Additional Fee: 25.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
5822	7 Cr	7:30AM-3:00PM	DAILY	09/24/18-12/12/18	14 213	Saucedo, Chis	

### **EFS 108 NATIONAL ELECTRICAL CODE PRINT READING**

Introduces students to practical print reading as it applies to the National Electrical Code. Prerequisite(s): Successful completion of EFS 105, EFS 106, and EFS 107, or instructor's permission.

Instructor Permission required.

Additional Fee: 25.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
5832	7 Cr	7:30AM-3:00PM	DAILY	09/24/18-12/12/18	14 213	Saucedo, Chis	

### **EFS 109 NATIONAL ALARM INSTALLER TRAINING PROGRAM**

Introduces students to basic alarm systems through comprehensive lessons, videos, and lesson tests. With final test, the student will have a thorough exposure to alarm systems. Prerequisite(s): Successful completion of EFS 105, EFS 106, and EFS 107, or instructor's permission.

Instructor Permission required.

Additional Fee: 25.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
5842	7 Cr	7:30AM-3:00PM	DAILY	09/24/18-12/12/18	14 213	Saucedo, Chis	

### **EFS 110 CCTV APPLICATION & DESIGN**

Introduces students to basics of CCTV systems design and applications. Prerequisite(s): Successful completion of EFS 105, EFS 106, and EFS 107, or instructor's permission.

Instructor Permission required.

Additional Fee: 25.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
5852	7 Cr	7:30AM-3:00PM	DAILY	09/24/18-12/12/18	14 213	Saucedo, Chis	

### **EFS 118 NATIONAL ELECTRICAL CODES**

Introduces National Electrical Codes. Through individual tests, students will be able to research applicable electrical codes. Prerequisite(s): Successful completion of EFS 108, EFS 109, and EFS 110, or instructor's permission.

Instructor Permission required.

Additional Fee: 25.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
5862	6 Cr	7:30AM-3:00PM	DAILY	09/24/18-12/12/18	14 213	Saucedo, Chis	

### **EFS 119 NATIONAL FIRE CODES**

Introduces the National Fire Codes. Through individual tests, students will be able to research applicable fire codes. Prerequisite(s): Successful completion of EFS 108, EFS 109, and EFS 110, or instructor's permission.

Instructor Permission required.

Additional Fee: 25.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
5872	6 Cr	7:30AM-3:00PM	DAILY	09/24/18-12/12/18	14 213	Saucedo, Chis	

### **EFS 121 CCTV FIELD SERVICE & INSTALLATION**

Introduces basic systems service and installation of CCTV systems. Through individual lessons, students will be exposed to the basics of CCTV field service and installation. Prerequisite(s): Successful completion of EFS 108, EFS 109, and EFS 110, or instructor's permission.

Instructor Permission required.

Additional Fee: 25.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
-------------	-------------	--------------	-------------	------------------------	-----------------	----------------	-----------------

5882 7 Cr 7:30AM-3:00PM DAILY 09/24/18-12/12/18 14 213 Saucedo, Chis

### **EFS 124 WASHINGTON ADMINISTRATIVE CODES**

Introduces students to the Washington Administrative Codes pertaining to industrial safety and to electrical installations in the state of Washington. Prerequisite(s): Successful completion of EFS 108, EFS 109, and EFS 110, or instructor's permission.

Instructor Permission required.

Additional Fee: 25.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
5892	2 Cr	7:30AM-3:00PM	DAILY	09/24/18-12/12/18	14 213	Saucedo, Chis	

### **EFS 207 ADDRESSABLE FIRE SLC SYSTEMS/DESIGN**

Introduces Addressable and Intelligent Fire Alarm Systems using Signaling Line Circuits (SLC). Includes comprehensive lessons, lecture, and hands-on practical application and design. Prerequisite(s): Successful completion of the 78-credit hour Electrician Low Voltage Fire/Security Certificate, or instructor's permission.

Instructor Permission required.

Additional Fee: 25.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
58A2	7 Cr	7:30AM-3:00PM	DAILY	09/24/18-12/12/18	14 213	Saucedo, Chis	

### **EFS 211 BIOMETRICS ACCESS**

Introduces Biometrics Access Control. Various Biometrics Systems are explored, as well as Computer Programmed Access-Control Systems. Includes comprehensive lessons and lecture, as well as hands-on practical application, installation, and design. Prerequisite(s): Successful completion of EFS 207 or instructor's permission.

Instructor Permission required.

Additional Fee: 25.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
58B2	7 Cr	7:30AM-3:00PM	DAILY	09/24/18-12/12/18	14 213	Saucedo, Chis	

### **EFS 216 ADVANCED VOICE EVACUATION FIRES SYSTEMS**

Introduces Advanced Voice Evacuation Fire Alarm Systems as used in high-rise applications. Includes comprehensive lessons;, lecture;, and hands-on practical application, installation, and design.

Prerequisite(s): Successful completion of EFS 211 or instructor's permission.

Instructor Permission required.

Additional Fee: 25.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
58C2	7 Cr	7:30AM-3:00PM	DAILY	09/24/18-12/12/18	14 213	Saucedo, Chis	

### **EFS 221 FIRE CODES, NICET, NFPA**

Introduces Fire Codes, AHJ (Authority Having Jurisdiction), NICET (National Institute for Certification of Engineering Technologies), and NFPA (National Fire Protection Association). Includes comprehensive lessons, lecture, and hands-on practical application, installation, and design. Prerequisite(s): Successful completion of EFS 216 or instructor's permission.

Instructor Permission required.

Additional Fee: 25.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
-------------	-------------	--------------	-------------	------------------------	-----------------	----------------	-----------------

58D2 7 Cr 7:30AM-3:00PM DAILY 09/24/18-12/12/18 14 213 Saucedo, Chis

### **EFS 226 HIGH SECURITY STRUCTURED CABLING**

Introduces High Security Structured Cabling in residential and commercial applications. Explores cabling as a total package. Includes most applications of security and low voltage needs. Includes comprehensive lessons, lecture, and hands-on practical application, installation, and design. Prerequisite(s): Successful completion of EFS 221 or instructor's permission.

Instructor Permission required.

Additional Fee: 25.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
58F2	7 Cr	7:30AM-3:00PM	DAILY	09/24/18-12/12/18 14 213		Saucedo, Chis	

### **EFS 231 CCTV DIGITAL NETWORK SOLUTIONS**

Introduces Closed Circuit Television (CCTV) Digital Network Solutions. Explores applications that require the camera to be recorded and viewed digitally or remotely via various networks. Includes comprehensive lessons, lecture, and hands-on practical application, installation, and design. Prerequisite(s): Successful completion of EFS 226, or instructor's permission.

Instructor Permission required.

Additional Fee: 25.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
58G2	7 Cr	7:30AM-3:00PM	DAILY	09/24/18-12/12/18 14 213		Saucedo, Chis	

## **ENGLISH**

### **ENG 091 BASIC READING AND WRITING**

Introduces and develops basic reading and writing skills. Focus is on writing proper sentences and sound paragraphs that express a main idea clearly and fully with a minimum of errors in sentence structure, punctuation, and spelling. Coursework emphasizes writing from observation, as well as writing in response to reading. Helps refine reading comprehension and increase vocabulary for college-level reading requirements. Prerequisite(s): Appropriate Accuplacer reading/writing combined score of 228 or equivalent.

Additional Fee: 24.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
5W01	Var	8:00AM-8:50AM	MTW	09/24/18-12/12/18 16 116		Mollas, Tula	HYBRID
5W02	5 Cr	9:00AM-9:50AM	DAILY	09/24/18-12/12/18 16 205		Irwin, Karen	HYBRID
5W03	Var	10:00AM-10:50AM	TTh	09/24/18-12/12/18 16 116		Mollas, Tula	HYBRID

### **ENG 094 ADVANCED READING AND WRITING**

Enhances writing ability with emphasis on organization, unity, coherence, and adequate development of short essays. Introduction to various types of paragraphs and essays and review of the rules and conventions of standard written English. Both paper and electronic communication tools will be used. Prerequisite: Appropriate COMPASS/ SLEP placement score or successful completion of ENG 082. of 245 or equivalent or successful completion of ENG 091.

Instructor Permission required.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
5B52	5 Cr	11:15AM-12:17PM	MTWTh	09/24/18-12/12/18 14 100		Quincy, Denis	
5W06	5 Cr	1:00PM-1:50PM	MTW	09/24/18-12/12/18 16 116		Mollas, Tula	HYBRID

5W07	5 Cr	2:00PM-4:20PM	MW	09/24/18-12/12/18	17 230	Ruby	HYBRID
5W08	5 Cr	6:30PM-8:50PM	MW	09/24/18-12/12/18	16 205	Staff	
5W10	5 Cr	11:00AM-11:50AM	DAILY	09/24/18-12/12/18	17 240	Faherty, Dion	HYBRID
5W50	5 Cr	2:00PM-2:50PM	DAILY	09/24/18-12/12/18	14 212	Copeland, Kri	HYBRID
5W04	Var	8:00AM-8:50AM	TTh	09/25/18-12/11/18	17 240	Faherty, Dion	HYBRID
5W05	5 Cr	12:00PM-1:50PM	TTh	09/25/18-12/12/18	17 230	Heath, Terry	HYBRID
5W09	5 Cr	8:00AM-12:30PM	Sa	09/29/18-12/12/18	15 112	Staff	HYBRID

### ENG 310 BUSINESS COMMUNICATIONS

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
BA22	5 Cr	ARRANGED	ARRANGED	09/24/18-12/12/18	19 122	Swetnam, Erwi	HYBRID

### ENGL& 101 ENGLISH COMPOSITION I

Utilize the writing process to write clearly with consideration of audience, purpose, and tone, using standard grammar and punctuation conventions along with common discourse modes and patterns of organization. Read and process sources using independent and critical thinking skills, following established conventions for incorporating and documenting sources in writing. Prerequisite(s): Accuplacer reading/writing combined score 277 or equivalent or successful completion of ENG 094.

Additional Fee: 24.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
0521	Var	3:00PM-3:50PM	MTWTh	09/24/18-12/12/18	17 230	Quincy, Denis	HYBRID
0522	5 Cr	1:00PM-1:50PM	DAILY	09/24/18-12/12/18	14 212	Copeland, Kri	HYBRID
0523	Var	1:00PM-1:50PM	DAILY	09/24/18-12/12/18	14 212	Copeland, Kri	HYBRID
0524	5 Cr	6:30PM-8:50PM	MW	09/24/18-12/12/18	16 205	Hoffman-Reye	HYBRID
0526	Var	ARRANGED	ARRANGED	09/24/18-12/12/18	ON LINE	Faherty, Dion	ONLINE
0527	Var	ARRANGED	ARRANGED	09/24/18-12/12/18	ON LINE	Copeland, Kri	ONLINE
0529	5 Cr	1:00PM-2:45PM	MW	09/24/18-12/12/18	SHC116	Prevoneau	HYBRID
0530	5 Cr	7:30AM-9:30AM	TTh	09/24/18-12/12/18	SHC107	Heath, Terry	HYBRID
0533	5 Cr	ARRANGED	ARRANGED	09/24/18-12/12/18	ON LINE	Irwin, Karen	ONLINE
0534	5 Cr	9:00AM-9:50AM	DAILY	09/24/18-12/12/18	17 240	Faherty, Dion	HYBRID
0535	Var	9:00AM-9:50AM	DAILY	09/24/18-12/12/18	17 240	Faherty, Dion	HYBRID
0536	5 Cr	10:00AM-10:50AM	DAILY	09/24/18-12/12/18	17 240	Faherty, Dion	HYBRID
0537	Var	10:00AM-10:50AM	DAILY	09/24/18-12/12/18	17 240	Faherty, Dion	HYBRID
0572	5 Cr	12:00PM-12:50PM	DAILY	09/24/18-12/12/18	14 212	Copeland, Kri	HYBRID
0573	Var	12:00PM-12:50PM	DAILY	09/24/18-12/12/18	14 212	Copeland, Kri	HYBRID
0520	Var	7:30AM-9:50AM	TTh	09/25/18-12/12/18	16 205	Irwin, Karen	HYBRID
0532	5 Cr	1:00PM-2:45PM	TTh	09/25/18-12/12/18	SHC118	Staff	HYBRID
0528	5 Cr	9:45AM-11:45AM	MW	09/26/18-12/12/18	SHC107	Heath, Terry	HYBRID
0531	5 Cr	1:00PM-2:45PM	F	09/28/18-12/12/18	SHC114	Hoffman-Reye	HYBRID
0525	5 Cr	8:00AM-12:30PM	Sa	09/29/18-12/12/18	15 112	Hoffman-Reye	HYBRID

## ENVIRONMENTAL SCIENCE

ENV 109 INTRODUCTION TO ECOLOGY

Covers the basic topics of ecology, including population biology, plant and animal species characterization, and habitat restoration.

Additional Fee: 19.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4502	4 Cr	9:00AM-10:30AM	TWThF	09/25/18-12/12/18	16 104	Faust, Derek	ENHANCED

### **ENV 141      ORIENTATION TO ENVIRONMENTAL SCIENCE**

Survey the wide range of duties and career choices available to environmental technicians. Prerequisite(s): ENG 094 (or co-requisite) or higher, or appropriate placement score.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4512	4 Cr	ARRANGED	ARRANGED	09/25/18-12/12/18	ON LINE	Faust, Derek	ONLINE

### **ENV 162      GENERAL CHEMISTRY W/LAB**

Provides the basic concepts, principles, and applications of inorganic chemistry germane to the environmental field. Related instruction includes mathematics used in designing, conducting, and interpreting analytical procedures. Laboratory methods, chemical calculations, properties of solutions, and properties of acids and bases are also covered. Prerequisite(s): MAT 099 or MAT 103 or higher (or co-requisite), or appropriate placement score.

Additional Fee: 55.40

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4522	6 Cr	11:00AM-2:00PM	TWThF	09/25/18-11/02/18	15 105	Faust, Derek	ENHANCED

### **ENV 163      ENVIRONMENTAL CHEMISTRY W/LAB**

Continuation of ENV 162 General Chemistry with progressive instruction in laboratory methods; chemical calculations; properties of solutions, acids and bases; and an introduction to organic chemistry.

Additional Fee: 55.40

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4532	6 Cr	11:00AM-2:00PM	TWThF	11/06/18-12/12/18	15 105	Faust, Derek	ENHANCED

### **ENV 231      ISSUES IN THE URBAN ENVIRONMENT**

Course explores a variety of urban environmental issues. Storm-water management, sewage treatment, drinking-water treatment, and waste disposal. Lab Times: 9 a.m. to 12:50 p.m., Th ' 10/01/18-12/06/18 15/105. Class also meets on Tuesdays from 9 a.m. to 10:50 a.m. Prerequisite(s): Successful completion of GEOL& 110 and all ENV 100-level courses, except ENV 134.

Additional Fee: 50.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4542	5 Cr	11:30AM-1:20PM	M	10/01/18-12/11/18	16 102	Smith Kathy	ENHANCED

### **ENV 240      INTERNSHIP**

All students finishing the program are required to complete an internship. This is a temporary full-time position in the public or private sector where students gain confidence and experience in a chosen area of employment. Students experience on-the-job opportunities and make a skilled contribution to the internship provider. Opportunities to find internships are provided, but the student is in charge of finding his or her own internship. Prerequisite(s): Successful completion of at least 25 credits of ENV 200 level courses or instructor permission. Enrollment in ENV 246, Environmental Science Capstone required.

Additional Fee: 63.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4552	10 Cr	ARRANGED	ARRANGED	09/24/18-12/12/18	ARR	Smith Kathy	

## **ENV 245 ENVIRONMENTAL LAW II**

Places an emphasis on correct, accurate interpretation of environmental regulations and their applications. Students will be able to research, interpret, and use a variety of regulations upon completion. Regulations include RCRA; CERCLA; CWA; Washington Drinking Water Rules; Washington State Water Quality regulations; SDWA; and other applicable state, federal and local regulations. Course also covers Federal Energy Policy, including development of fossil fuels and alternative energy sources. Prerequisite(s): Successful completion of GEOL& 110 and all ENV 100-level courses, except ENV 134.

Additional Fee: 24.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4562	5 Cr	11:30AM-1:50PM	TW	10/02/18-12/12/18	16 102	Smith Kathy	ENHANCED

## **ENV 246 ENVIRONMENTAL SCIENCE CAPSTONE**

Accompanies ENV 240 Internship. The Capstone Project integrates the CPTC core abilities with the internship and identification of how core abilities apply in the workforce. Prerequisite(s): Successful completion of at least 25 credits of ENV 200 level courses or instructor permission. Enrollment in ENV 240, Internship required.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4572	2 Cr	ARRANGED	ARRANGED	09/24/18-12/12/18	ON LINE	Smith Kathy	ONLINE

## **ENV 260 INTRODUCTION TO SOILS**

Course focuses on basic physical, biological, and chemical concepts of soil science. Practical exercises and projects will be used to demonstrate how soil data is commonly used in regulatory, legal, and scientific land-use interpretations and decisions. Lab 9:00AM12:50PM Th 10/04/1812/06/18 15 105 Prerequisite(s): Prerequisite(s): Successful completion of GEOL& 110 and all ENV 100-level courses, except ENV 134.

Additional Fee: 24.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4582	5 Cr	9:00AM-10:50AM	MW	10/01/18-12/10/18	16 102	Smith Kathy	ENHANCED

## **ENV 270 HAZARDOUS MATERIAL TRANSPORTATION**

Covers the requirements associated with transportation of hazardous materials as defined in Title 49 Code of Federal Regulations (49CFR) and 171.8 (not including radioactive). Meets the hazmat employee training requirements found in 49 CFR 172 Subpart H.

Additional Fee: 14.70

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4592	3 Cr	9:00AM-2:50PM	DAILY	09/24/18-09/28/18	16 102	Smith Kathy	

# **ESTHETIC SCIENCES**

## **ES 105 A & P FOR ESTHETICIANS**

A comprehensive survey of the body systems and how they work as they relate to the practice of esthetics. Class projects include eukaryotic cell, cranial puzzle, muscles of the head and neck, and muscle flash cards.

Additional Fee: 72.45

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
6202	2 Cr	8:30AM-9:30AM	DAILY	09/24/18-12/12/18	02 123	Shields, Maur	



### **ES 110 HISTOLOGY & PHYSIOLOGY OF THE SKIN**

A comprehensive examination of the epidermis, dermis, and hypodermis, including specialty cells and dermal adnexa. Examination of the physiology of the epidermal basement membrane, accessory organs of skin, and epidermal differentiation as they relate to the practice of esthetics.

Additional Fee: 72.45

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
6212	3 Cr	9:30AM-10:30AM	DAILY	09/24/18-12/12/18	02 123	Shields, Maur	

### **ES 113 INTRODUCTION TO COSMETIC CHEMISTRY**

Fundamentals of chemistry, including differences between organic and inorganic matter, simple chemical reactions, pH for estheticians, and composition of, as well as indications for, commonly used products for esthetic salon services.

Additional Fee: 72.45

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
6222	3 Cr	10:30AM-11:30PM	DAILY	09/24/18-12/12/18	02 123	Shields, Maur	

### **ES 114 FACIAL PROCEDURES**

Introduction to facial procedures, including client intake and assessment, skin analysis, clinical indications and contraindications. European facial instruction, product selections, and recommendations.

Prerequisite(s): Successful completion of ES 105, ES 110, ES 113, ES 116, ES 120, and ES 123. Co-requisites: ES 118, ES 130, ES 132, ES 134, and ES 137.

Additional Fee: 103.65

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
6262	5 Cr	8:00AM-2:30PM	DAILY	09/24/18-10/12/18	08 319	Whipple, Jenn	HYBRID

### **ES 116 CHARTING AND MEDICAL TERMINOLOGY FOR ESTHETICIAN**

Survey of common medical charting notations and terminology employed in medical practice, particularly as they relate to spa, salon, and medical office environments.

Additional Fee: 72.45

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
6232	4 Cr	1:00PM-2:00PM	DAILY	09/24/18-12/12/18	02 123	Shields, Maur	

### **ES 118 TEMPORARY HAIR REMOVAL**

Survey of temporary hair removal to include: indications, contraindications, methods of epilation using multiple modalities including but not limited to hard wax, soft wax, and sugaring, lash and brow tinting as well as all safety and sanitation employed in the esthetics profession.

Additional Fee: 103.65

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
6272	4 Cr	8:00AM-2:30PM	DAILY	10/11/18-10/29/18	08 319	Whipple, Jenn	HYBRID

### **ES 120 SKIN DISEASES AND DISORDERS**

Identify normal skin and anomalies of skin, including primary, secondary, and vascular lesions, as well as irregularities of skin pigmentation. Identification of skin diseases and differentiating from common noncontagious lesions is included.

Additional Fee: 72.45

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
6242	5 Cr	11:30AM-12:30PM	DAILY	09/24/18-12/12/18	02 123	Shields, Maur	

### **ES 123 BACTERIOLOGY, SAFETY, AND SANITATION**

Overview of pathogenic and non-pathogenic microorganisms including bacteria, viruses, endoparasites and ectoparasites, disease vectors, and transmission. Covers levels of decontaminations pertaining to salons, spas, and medical offices.

Additional Fee: 72.45

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
6252	4 Cr	7:30AM-8:30AM	DAILY	09/24/18-12/12/18	02 123	Shields, Maur	

### **ES 130 MAKEUP APPLICATION**

Exploration of color theory and basic makeup application techniques including safety and sanitation.

Prerequisite(s): Successful completion of ES 105, ES 110, ES 113, ES 116, ES 120, and ES 123. Co-requisites: ES 114, ES 118, ES 132, ES 134, ES 137.

Additional Fee: 103.65

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
6282	2 Cr	8:00AM-2:30PM	DAILY	10/30/18-11/14/18	08 319	Whipple, Jenn	HYBRID

### **ES 132 SKIN CARE AND BODY TREATMENTS**

Exploration of indications, contraindications and safety for foot soaks, mud wraps, body scrubs, wet and dry room techniques and back treatments. Prerequisite(s): Successful completion of ES 105, ES 110, ES 113, ES 116, ES 120, and ES 123. Co-requisites: ES 114, ES 118, ES 130, ES 134, and ES 137.

Additional Fee: 103.65

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
6292	4 Cr	8:00AM-2:30PM	DAILY	11/15/18-12/03/18	08 319	Whipple, Jenn	HYBRID

### **ES 134 MACHINE FACIALS**

Includes indications, contraindications and safety for electrical modalities, including galvanic and high frequency. Prerequisite(s): Successful completion of ES 105, ES 110, ES 113, ES 116, ES 120, and ES 123. Co-requisites: ES 114, ES 118, ES 130, ES 132, and ES 137.

Additional Fee: 45.20

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
62A2	4 Cr	8:00AM-2:30PM	DAILY	12/04/18-12/10/18	08 319	Whipple, Jenn	HYBRID

### **ES 136 MICRODERMABRASION AND SUPERFICIAL PEELS**

Covers clinical exfoliation and desquamation techniques employing chemical and mechanical methods.

Prerequisite(s): Successful completion of ES 114, ES 118, ES 130, ES 132, ES 134, and ES 137. Co-requisites: ES 140, ES 145, ES 154, and ES 159.

Additional Fee: 72.45

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
62C2	4 Cr	9:00AM-3:30PM	DAILY	09/24/18-10/08/18	08 325	Sorensen, Kar	HYBRID

### **ES 137 SPA CLINIC OPERATIONS**

Intro to realistic training incorporating dispensary, laundry, spa clinical operations and management positions are covered. Prerequisite(s): Successful completion of ES 105, ES 110, ES 113, ES 116, ES 120, and ES 123. Co-requisites: ES 114, ES 118, ES 130, ES 132, and ES 134.

Additional Fee: 45.20

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
62B2	1 Cr	8:00AM-2:30PM	DAILY	12/11/18-12/12/18	08 319	Whipple, Jenn	HYBRID

**ES 140 CLINICAL APPLICATIONS I**

Realistic training in our student-run clinic, incorporating every aspect of an exemplar esthetics practice. Prerequisite(s): Successful completion of ES 125, ES 128, ES 130, ES 132, ES 134, and ES 137. Co-requisites: ES 136, ES 145, ES 154, and ES 159.

Additional Fee: 14.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
62D2	7 Cr	11:30AM-3:30PM	MTWTh	10/09/18-10/11/18	08 325	Sorensen, Kar	HYBRID

**ES 141 CLINICAL APPLICATIONS II**

Realistic training in our student-run clinic, incorporating every aspect of an exemplar esthetics practice and advanced modalities. Prerequisite(s): Successful completion of ES 136, ES 140, ES 145, ES 154, and ES 159. Co-requisites: ES 149, ES 150, ES 153, ES 157, and ES 158.

Additional Fee: 14.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
62J2	5 Cr	11:30AM-3:30PM	TWThF	10/09/18-12/07/18	08 327	Siedlicki, M	HYBRID

**ES 145 CORRECTIVE CONCEALING MAKEUP**

Theory and application of corrective and concealing techniques for makeup applications. Prerequisite(s): Successful completion of ES 114, ES 118, ES 130, ES 132, ES 134, and ES 137. Co-requisites: ES 136, ES 140, ES 154 and ES 159.

Additional Fee: 72.45

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
62F2	3 Cr	9:00AM-3:30PM	DAILY	10/12/18-10/19/18	08 323	Sorensen, Kar	HYBRID

**ES 149 LASER THEORY AND APPLICATIONS**

Didactic and hands-on applications of multiple laser modalities. Course will include all related safety and first aid components. Prerequisite(s): Successful completion of ES 136, ES 140, ES 141, ES 145, ES 154, and ES 159. Co-requisites: ES 141, ES 150, ES 153, ES 157, and ES 158.

Additional Fee: 72.45

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
62K2	5 Cr	9:00AM-11:15AM	DAILY	10/03/18-11/06/18	08 327	Siedlicki, M	HYBRID

**ES 150 MEDIUM DEPTH PEELS**

Didactic and hands-on applications of clinical-based medium -depth peels. Course includes all related safety and first aid measures. Prerequisite(s): Successful completion of ES 136, ES 140, ES 145, ES 154, and ES 159. Co-requisites: ES 141, ES 149, ES 153, ES 157, and ES 158.

Additional Fee: 72.45

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
62L2	2 Cr	9:00AM-3:30PM	DAILY	09/24/18-10/02/18	08 327	Siedlicki, M	HYBRID

**ES 153 ADVANCED COSMETIC CHEMISTRY**

In-depth study of cosmetic chemicals and product knowledge. Students will write research papers on chemical products, ingredients, and contraindications that may occur during an esthetic treatment. Prerequisite(s): Successful completion of ES 136, ES 140, ES 145, ES 154, and ES 159. Co-requisites: ES 141, ES 149, ES 150, ES 157, and ES 158.

Additional Fee: 72.45

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
62M2	3 Cr	9:00AM-11:15AM	DAILY	11/07/18-12/07/18	08 327	Siedlicki, M	HYBRID

### **ES 154      ADVANCED SKIN CARE AND MASSAGE TECHNIQUES**

This course includes advanced modalities of skin care, including MLD and other industry-related techniques. Prerequisite(s): Successful completion of ES 114, ES 118, ES 130, ES 132, ES 134, and ES 137. Co-requisites: ES 136, ES 140, ES 145, and ES 159.

Additional Fee: 72.45

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
62G2	5 Cr	9:00AM-3:30PM	DAILY	10/22/18-12/10/18	08 323	Sorensen, Kar	HYBRID

### **ES 157      BUSINESS PLANNING**

Independent research and preparation of a business plan and portfolio as capstone project.

Prerequisite(s): Successful completion of ES 136, ES 140, ES 145, ES 154, and ES 159. Co-requisites: ES 141, ES 149, ES 150, ES 153, and ES 158.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
62N2	2 Cr	9:00AM-3:30PM	DAILY	11/20/18-12/04/18	08 327	Siedlicki, M	HYBRID

### **ES 158      STATE BOARD PREPARATION**

This course includes kit preparation and simulation of state board examinations. Prerequisite(s):

Successful completion of ES 136, ES 140, ES 145, ES 154, and ES 159. Co-requisites: ES 141, ES 149, ES 150, ES 153, and ES 157.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
62P2	2 Cr	9:00AM-3:30PM	DAILY	12/05/18-12/12/18	08 327	Siedlicki, M	HYBRID

### **ES 159      INTRO TO BUSINESS PLANNING & PROFESSIONAL DEVELO**

This course introduces students to outlining business plans by obtaining demographics, researching profit and loss statements, and outlining startup costs. Prerequisite(s): Successful completion of ES 114, ES 118, ES 130, ES 132, ES 134, and ES 137. Co-requisites: ES 136, ES 140, ES 145, and ES 154.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
62H2	1 Cr	9:00AM-3:30PM	DAILY	12/11/18-12/12/18	08 325	Sorensen, Kar	HYBRID

## **FUNDAMENTAL SKILLS FOR MANUFACTURING AND ENGINEERING CLASSES**

### **FSME 101      WORKSHOP SAFETY**

Covers occupational safety and health for workers in manufacturing and engineering workshop environments. Prerequisite(s): Instructor permission. Instructor Permission required.

Instructor Permission required.

Additional Fee: 40.70

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
MQ02	3 Cr	7:30AM-3:00PM	MTWTh	09/24/18-12/12/18	25 302	Chesnes, Thom	HYBRID

### **FSME 111      QUALITY PRINCIPLES, INSPECTION & TEST**

Provides students with a foundational set of measurement, data analysis, and documentation skills.

Teaches students how to interpret manufacturing drawings and schematics, how to take measurements

and analyze data, and introduces quality principles and terminology used in industry. Prerequisite(s): Instructor permission. Instructor Permission required.

Instructor Permission required.

Additional Fee: 50.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
MQ12	5 Cr	7:30AM-3:00PM	MTWTh	09/24/18-12/12/18	25 302	Chesnes, Thom	

### **FSME 112 FABRICATION FUNDAMENTALS I**

Teaches students the basic workshop skills needed to fabricate parts and structures. Also introduces students to the properties of common materials used in manufacturing and engineering. Prerequisite(s): Instructor permission. Instructor Permission required.

Instructor Permission required.

Additional Fee: 50.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
MQ22	5 Cr	7:30AM-3:00PM	MTWTh	09/24/18-12/12/18	25 302	Chesnes, Thom	

### **FSME 113 FABRICATION FUNDAMENTALS II**

Introduces students to more advanced manufacturing and engineering fabrication techniques, including welding, the use of machine tools, composites, and electrical wiring. Prerequisite(s): Instructor permission. Instructor Permission required.

Instructor Permission required.

Additional Fee: 50.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
MQ32	5 Cr	7:30AM-3:00PM	MTWTh	09/24/18-12/12/18	25 302	Chesnes, Thom	

## **GEOLOGY**

## **GRAPHIC TECHNOLOGIES**

### **GTC 110 ART, DESIGN, AND VISUAL THINKING**

Introduction to visual arts and design principles. Stresses the components of visual thinking and visual language underlying design for digital media. A series of real-life case studies and exercises applies the design process and use of basic elements of design, typography, images, color, and layout.

Additional Fee: 88.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
8502	5 Cr	9:00AM-5:00PM	Th	09/27/18-12/13/18	11 158	Owens, Darryl	ENHANCED

### **GTC 123 MACINTOSH OPERATION AND IMAGE ACQUISITION**

Introduction to Macintosh computer operations and file management. Covers image acquisition and archiving from Internet and analog sources.

Additional Fee: 88.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
-------------	-------------	--------------	-------------	------------------------	-----------------	----------------	-----------------

8512 5 Cr 9:00AM-5:00PM M 09/24/18-12/10/18 11 154 Moyer, John ENHANCED

### **GTC 130 DIGITAL IMAGING I**

Introduces the fundamentals of Photoshop to include basic tools; image editing; painting; and the creation, use, and management of layers and channels.

Additional Fee: 88.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
8522	5 Cr	9:00AM-5:00PM	W	09/26/18-12/12/18	11 154	Moyer, John	ENHANCED

### **GTC 143 ELECTRONIC PUBLISHING AND LAYOUT**

Apply typographic terms, vocabulary, and concepts; examine type identification and explore the relationships or essence of typographic design. Apply and solve mathematical problems common to typography. Apply basic page layout and create files. Explore proofreading and correcting copy changes.

Additional Fee: 88.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
8532	5 Cr	9:00AM-5:00PM	T	09/25/18-12/11/18	11 158	Owens, Darryl	ENHANCED

### **GTC 209 ADVANCED VECTOR DIGITAL ILLUSTRATION**

Students will perform advanced techniques using Adobe Illustrator; create documents using color swatches and color separations for a variety of projects; explore the abilities of different tools, panels, effects, and filters; and integrate Adobe Acrobat Pro as soft-proofing software from within Illustrator and prepare files for electronic output ready for a service provider. Prerequisite(s): Successful completion of GTC 169, or instructor approval.

Additional Fee: 88.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
8542	5 Cr	9:00AM-5:00PM	M	09/24/18-12/10/18	11 158	Owens, Darryl	ENHANCED

### **GTC 210 DIGITAL IMAGING III**

Building on a solid knowledge of Photoshop's basic functions, this course explores advanced color theory and use of Photoshop for color correction. Students will learn efficient use of layers, masks, and channels for photo retouching and special effects. Covers optimization for production, importing, and exporting of images. Prerequisite(s): Successful completion of GTC 149, or instructor approval.

Additional Fee: 88.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
8552	5 Cr	9:00AM-5:00PM	T	09/25/18-12/11/18	11 154	Moyer, John	ENHANCED

### **GTC 223 PREPRESS II**

Advanced prepress production topics are covered through lecture, research and practice. Topics include: fonts, postscript, Acrobat, file management, and raster image processing. Students will produce printing plates with halftones through the use of the Adobe suite and raster image processing. Prerequisite(s): Successful completion of GTC 164 or instructor approval.

Additional Fee: 88.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
8562	5 Cr	9:00AM-5:00PM	Th	09/27/18-12/13/18	11 154	Moyer, John	ENHANCED

### **GTC 260 WEB ANIMATION DESIGN**

Offers experience using industry-standard tools for basic web animation. Students will develop familiarity with a timeline, layers, symbols, vector tools, and introductory animation techniques. Prerequisite(s): Successful completion of GTC 276 or instructor approval.

Additional Fee: 88.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
85A2	5 Cr	9:00AM-5:00PM	F	09/28/18-12/14/18	11 106	Webster, Mark	ENHANCED

### **GTC 265 WEB PROGRAMMING BASICS**

Apply basic programming and graphical user-interface techniques for developing effective and useful websites. Become familiar with current HTML code syntax and CSS code for styling. Through progressive enhancement of skills, students will build multi-page websites, culminating in a personal portfolio website. Prerequisite(s): Successful completion of GTC 276 or instructor approval.

Additional Fee: 88.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
85B2	5 Cr	9:00AM-5:00PM	T	09/25/18-12/11/18	11 106	Webster, Mark	ENHANCED

### **GTC 273 WEB GRAPHIC DESIGN AND USER EXPERIENCE**

Learn techniques and best practices for designing graphics to be used on the web. Build website layout mock-ups, style guides, and user interface elements using Adobe Photoshop and Illustrator. Using modern design principles, create layouts that are both appealing and easy to use. Prerequisite(s): Successful completion of GTC 276 or instructor approval.

Additional Fee: 88.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
85C2	5 Cr	9:00AM-5:00PM	Th	09/27/18-12/13/18	11 106	Webster, Mark	ENHANCED

### **GTC 276 INDESIGN II**

Students will perform advanced techniques with InDesign, create documents, use color and color separations for a variety of projects, and prepare files for electronic output. Prerequisite(s): Successful completion of GTC 174 or instructor approval

Additional Fee: 88.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
8572	5 Cr	9:00AM-5:00PM	W	09/26/18-12/12/18	11 158	Owens, Darryl	ENHANCED

### **GTC 278 INDEPENDENT STUDY**

This course explores student competency in the student's specialty skills area of the Graphic Technologies program. Students will produce a capstone project showing work accomplished and skills summarized. Prerequisite(s): Successful completion of GTC 254 Capstone class or instructor approval.

Additional Fee: 83.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
8582	4 Cr	4:00PM-5:00PM	Th	09/27/18-12/13/18	11 154	Moyer, John	ENHANCED

### **GTC 280 INTERNSHIP**

Provides on-the-job field experience relevant to visual communications. Apply classroom skills to work-related supervised learning experience. Internships may be paid or non-paid assignments and occur at on- or off-campus locations. Prerequisite(s): Successful completion of GTC 254 Capstone class or instructor approval.

Additional Fee: 83.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
8592	4 Cr	ARRANGED	ARRANGED	09/24/18-12/12/18	11 158	Owens, Darryl	ENHANCED

# HEALTH UNIT COORDINATOR

## **HUC 106 ANATOMY & PHYSIOLOGY FOR HLTH UNIT COORDINATOR**

Introduces basic word elements used in building medical terminology and identifies the different types of word elements present in each medical term by name. Introduces medical terms, body structure, and pathology in relation to each body system: integumentary, musculoskeletal, sensory, circulatory, nervous, endocrine, and digestive systems. Co-requisites: Enrollment in HUC 108, HUC 114, and HUC 120.

Additional Fee: 14.70

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
8112	3 Cr	8:00AM-2:45PM	TWTh	09/24/18-12/14/18	21 105	Briggs, Marla	HYBRID

## **HUC 108 ORIENTATION TO HUC**

This course will focus on orientation and introduction to campus policies and rules of conduct. This course will also introduce students to program policies, dress code, attendance, classroom, and workplace rules of conduct, program goals, and grading system. This course also focuses on the use of various communication devices and introduces the EMR/HER and related Windows programs used in the hospital. Co-requisites: Enrollment in HUC 106, HUC 114, and HUC 120.

Additional Fee: 124.40

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
8102	6 Cr	8:00AM-2:45PM	DAILY	09/24/18-12/14/18	21 105	Briggs, Marla	ENHANCED

## **HUC 112 UNIT COORDINATOR TASKS & PROCEDURES II**

Focuses on cognitive knowledge and performance skills in the computer laboratory. Students will demonstrate performance skills for maintaining medical records, accurately transcribing physicians' orders to the appropriate chart forms and Kardex, as well as completion of pseudo patient charts. Prerequisite(s): Successful completion of HUC 106, HUC 108, HUC 114, and HUC 120. Co-requisites: Enrollment in HUC 113, HUC 118, HUC 122, HUC 126, and HUC 132.

Additional Fee: 19.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
8152	4 Cr	3:00PM-10:00PM	MThF	09/24/18-12/14/18	21 105	Perez, Joylen	HYBRID

## **HUC 113 INTRODUCTION TO COMMUNICATION IN THE HUC ROLE**

Students will learn to describe and use good listening skills as a means of preventing and/or solving conflicts with a variety of people in different situations. This course also focuses on developing skills for the role of the communicator for the nursing unit. Students will also be given the tools for developing and practicing assertive communication, interpersonal relationships, and confidentiality skills. Prerequisite(s): Successful completion of HUC 106, HUC 108, HUC 114, and HUC 120. Co-requisites: Enrollment in HUC 112, HUC 118, HUC 122, HUC 126, and HUC 132.

Additional Fee: 4.90

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
8162	1 Cr	3:00PM-10:00PM	DAILY	09/24/18-12/14/18	21 105	Perez, Joylen	HYBRID

## **HUC 114 UNIT COORDINATOR TASKS & PROCEDURES I**

Enables identification of the forms commonly used in the patient's chart. Students will learn to explain the purpose of a patient's chart and recognize the charting responsibilities for each health care team member. Presents instruction and procedures for scheduling appointments by telephone, computer, and writing. Also focuses on students' performance in the computer-skill laboratory, demonstrating their cognitive knowledge for maintaining medical records; ordering laboratory and diagnostic exams; accurately



transcribing physicians' orders; recognizing treatment orders; ordering nursing supplies; identifying abbreviations, symbols, and terms used in a medication order; and charting information accurately to the appropriate forms and the Kardex for their pseudo patients. Co-requisite(s): Enrollment in HUC 106, HUC 108, and HUC 120.

Additional Fee: 113.30

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
8122	7 Cr	8:00AM-2:45PM	M	09/24/18-12/14/18	21 105	Briggs, Marla	HYBRID

### **HUC 118 ADV COMMUNICATIONS APPLICATIONS IN THE HUC ROLE**

Improves communication among diverse cultures and incorporates the relevant needs of culturally diverse groups in the medical field. Provide students with an overview and understanding of the fundamentals of communication. Prerequisite(s): Successful completion of HUC 106, HUC 108, HUC 114, and HUC 120. Co-requisites: Enrollment in HUC 112, HUC 113, HUC 122, HUC 126, and HUC 132.

Additional Fee: 9.80

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
8172	2 Cr	3:00PM-10:00PM	MTTh	09/24/18-12/14/18	21 105	Perez, Joylen	HYBRID

### **HUC 120 UNIT MANAGEMENT**

Covers management responsibilities for the nursing unit, including time management and identification of possible fire and safety hazards on the nursing unit. Co-requisites: Enrollment in HUC 106, HUC 108, and HUC 114.

Additional Fee: 14.70

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
8132	3 Cr	8:00AM-2:45PM	W	09/24/18-12/14/18	21 105	Briggs, Marla	HYBRID

### **HUC 122 UNIT MANAGEMENT II**

Focuses on cognitive knowledge for managing the nursing unit and developing verbal and written communication skills. Students will develop leadership and performance skills by practicing classroom management. Prerequisite(s): Successful completion of HUC 106, HUC 108, HUC 114, and HUC 120. Co-requisites: Enrollment in HUC 112, HUC 113, HUC 118, HUC 126, and HUC 132.

Additional Fee: 14.70

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
8182	3 Cr	3:00PM-10:00PM	TW	09/24/18-12/14/18	21 105	Perez, Joylen	HYBRID

### **HUC 126 LEGAL/ETHICAL ASPECTS OF UNIT COORDINATING**

Enables students to identify legal elements that are necessary in regard to preparing legal documents, discussing hospital and patient confidentiality, or witnessing signatures on consents for treatment. The ethics of this profession will be explored, and students will learn how to apply these ethics in professional behaviors. Covers AIDS education, blood-borne pathogens, HIPAA and hepatitis information.

Prerequisite(s): Successful completion of HUC 106, HUC 108, HUC 114, and HUC 120. Co-requisites: Enrollment in HUC 112, HUC 113, HUC 118, HUC 122, and HUC 132.

Additional Fee: 9.80

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
8192	2 Cr	3:00PM-10:00PM	WF	09/24/18-12/14/18	21 105	Perez, Joylen	HYBRID

### **HUC 132 CLINICAL EXPERIENCE**

Enables students to use the cognitive and performance objectives from courses HUC 102 through 126 in the clinical setting. The course focuses on resume preparation, employment application, and an employment interview. In order to participate in the clinical aspect of the program, students must receive a

'No Record On File' report from the Washington State Patrol regarding crimes against persons. Clinical hours vary from six to eight hours per day, four days per week. Students unable to complete course HUC 132 will have the option of completing a clinical rotation with the next available program, on approval from the instructors, within six months. Prerequisite(s): Successful completion of HUC 106, HUC 108, HUC 114, and HUC 120. Co-requisites: Enrollment in HUC 112, HUC 113, HUC 118, HUC 122, and HUC 126.

Additional Fee: 14.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
81A2	7 Cr	3:00PM-10:00PM	DAILY	09/24/18-12/14/18	21 105	Perez, Joylen	HYBRID

### **HUC 204 ECG MONITOR TECHNICIAN**

Examines basic cardiac function, normal and abnormal cardiac rhythms, etiology of arrhythmias, and interpretation of EKG tracing. Class time will consist of lectures, identifying rhythms, and group challenges. This course provides students with an excellent baseline understanding of both simple and more complex rhythms.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
8142	3 Cr	12:00PM-3:00PM	TWThF	10/02/18-10/30/18	21 105	Perez, Joylen	ENHANCED

## **HEATING/VENTILATION/AIR CONDITIONING** **(HVAC)**

### **HAC 102 BASIC ELECTRICITY**

Discusses the structure of matter, movement, electrons, conductors, insulators, direct and alternating currents, and electrical units of measurement. Students will also study electrical circuits and measurements, Ohm's law, series and parallel circuits, and electrical power. Also includes magnetic fields, inductance, transformers, capacitance, impedance, sine waves, and use of electrical measuring instruments. Co-requisites: HAC 105, HAC 120, HAC 162, HAC 163, HAC 164, and HAC 169, or instructor permission.

Additional Fee: 64.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
1802	5 Cr	7:00AM-1:45PM	DAILY	09/24/18-12/12/18	25 202	Barton, Rich	ENHANCED

### **HAC 105 ELECTRICAL CIRCUITS**

Discusses types of automatic control devices that respond to thermal change, the bimetal device, control by fluid expansion, the thermocouple, and electronic sensing devices. Covers space temperature controls (both high and low voltage), sensing temperatures of solids, pressure-sensing devices, oil-pressure safety controls, air-pressure controls, devices that control fluid flow, and maintenance of mechanical and electromechanical controls. Co-requisites: HAC 102, HAC 120, HAC 162, HAC 163, HAC 164, and HAC 169, or instructor permission.

Additional Fee: 59.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
1812	4 Cr	7:00AM-1:45PM	DAILY	09/24/18-12/12/18	25 202	Barton, Rich	ENHANCED

### **HAC 120 ADVANCED CONTROLS AND TROUBLESHOOTING**

Covers control terminology, applications and electronic control circuits. Pneumatic controls and direct digital controls are also explored, along with programmable thermostats. Also covers procedures for troubleshooting basic and complex circuits, thermostats, and high-voltage circuits controlled by

thermostats. Describes procedures for measuring amperage and voltage in low-voltage circuits and discusses pictorial and line diagrams. Co-requisites: HAC 102, HAC 105, HAC 162, HAC 163, HAC 164, and HAC 169, or instructor permission.

Additional Fee: 59.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
1822	4 Cr	7:00AM-1:45PM	DAILY	09/24/18-12/12/18	25 202	Barton, Rich	ENHANCED

### **HAC 162 ELECTRIC MOTORS AND THEIR APPLICATIONS**

Discusses types of electric motors, along with starting and running components and characteristics, motor speeds, and power supplies. Specific topics also included are single and split-phase motors, the centrifugal switch, electronic replay, capacitor start motors, capacitor run motors, permanent split capacitor motors, shaded pole motors, single-phase hermetic motors, positive temperature coefficient motors, and variable - speed motors. Includes discussions of various characteristics and insulations, bearings, mountings, and motor drives. Co-requisites: HAC 102, HAC 105, HAC 120, HAC 163, HAC 164, and HAC 169, or instructor permission.

Additional Fee: 59.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
1842	4 Cr	7:00AM-1:45PM	DAILY	09/24/18-12/12/18	25 202	Barton, Rich	ENHANCED

### **HAC 163 REFRIGERATION CONTROLS**

Fundamentals of refrigeration controls and defrost systems. Prerequisite(s): Must have required hand tools of the trade and be enrolled in HAC 164. Co-requisites: HAC 102, HAC 105, HAC 120, HAC 162, HAC 164, and HAC 169.

Additional Fee: 54.70

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
1832	3 Cr	7:00AM-1:45PM	DAILY	09/24/18-12/12/18	25 202	Barton, Rich	ENHANCED

### **HAC 164 ELECTRIC MOTOR CONTROLS AND TROUBLESHOOTING MOTO**

Discusses mechanical and electrical motor troubleshooting. This includes drive assemblies, belt tension, pulley alignment, open and shorted windings, shorts to ground, capacitor problems, wiring and connectors, and troubleshooting hermetic motors. Co-requisites: HAC 102, HAC 105, HAC 120, HAC 162, HAC 163, HAC 169 or instructor permission.

Additional Fee: 54.70

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
1852	3 Cr	7:00AM-1:45PM	DAILY	09/24/18-12/12/18	25 202	Barton, Rich	ENHANCED

### **HAC 169 ADV MOTOR THEORY**

Understanding variable-speed and capacity control motors (ECMs, Offloaders, Compressors, Inverter Drives). Prerequisite(s): Must have required hand tools of the trade and be enrolled in HAC 164. Co-requisites: HAC 102, HAC 105, HAC 120, HAC 162, HAC 163, and HAC 164.

Additional Fee: 49.80

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
1862	2 Cr	7:00AM-1:45PM	DAILY	09/24/18-12/12/18	25 202	Barton, Rich	ENHANCED

### **HAC 202 ADVANCED REFRIGERATION**

Covers competently troubleshooting and repair of refrigeration equipment, thermal physics and equipment for refrigeration systems analysis and efficiency. This is a hands-on class utilizing live projects.

Prerequisite(s): Must have required hand tools of the trade. Must be enrolled in HAC 249 and HAC 257.

Additional Fee: 89.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
18C2	10 Cr	7:00AM-1:45PM	DAILY	09/24/18-12/12/18	25 300	Mcghee, Dwigh	ENHANCED

### **HAC 230 EPA REFRIGERANT RECOVERY CERTIFICATION**

Will give students the knowledge to properly recover and charge refrigerants & dispose of them as defined by EPA. Pass a national examination.

Additional Fee: 44.90

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
1872	Var	7:00AM-1:45PM	DAILY	09/24/18-12/12/18	25 402	Mcghee, Dwigh	ENHANCED

### **HAC 237 BASIC REFIGERATION I**

Introduction to controls, thermal physics, and equipment for residential and light commercial air conditioning and refrigeration system installation and servicing, with emphasis on refrigeration.

Prerequisite(s): HAC 102 through 168 or equivalent or instructor permission. Have all the tools of the trade.

Additional Fee: 74.30

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
1882	Var	7:00AM-1:45PM	DAILY	09/24/18-12/12/18	25 402	Mcghee, Dwigh	ENHANCED

### **HAC 242 BASIC REFIGERATION I LAB**

Covers troubleshooting and repair of refrigeration equipment, thermal physics, and equipment for refrigeration systems analysis and efficiency. This is a hands-on class utilizing live projects. Students will build a basic capillary tube refrigeration unit using basic temperature controls. Prerequisite(s): Must have required hand tools of the trade and completed HAC 102-169, and must be enrolled in the Basic Refrigeration I course.

Additional Fee: 64.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
1892	Var	7:00AM-1:45PM	DAILY	09/24/18-12/12/18	25 300	Mcghee, Dwigh	ENHANCED

### **HAC 246 BASIC REFIGERATION II**

Introduction to controls, thermal physics, and equipment for residential and light commercial airconditioning and refrigeration system installation and servicing, with emphasis on commercial refrigeration and heat pumps. Prerequisite(s): Must have required hand tools of the trade and completed HAC 102-169, and must be enrolled in the Basic Refrigeration I course.

Additional Fee: 69.40

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
18A2	Var	7:00AM-1:45PM	DAILY	09/24/18-12/12/18	25 402	Mcghee, Dwigh	ENHANCED

### **HAC 249 JOB READINESS**

Covers resume writing, cover letter preparation, Internet job search, Work Source job readiness workshop, and tips on filling out job applications. Prerequisite(s): Must be enrolled in HAC 202 and HAC 257.

Additional Fee: 64.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
18F2	5 Cr	7:00AM-1:45PM	DAILY	09/24/18-12/12/18	25 300	Mcghee, Dwigh	ENHANCED

### **HAC 255 BASIC REFIGERATION II LAB**

Hands-on experience with introduction to controls, thermal physics, and equipment for air-conditioning system installation and servicing. Prerequisite(s): Must have required hand tools of the trade and be enrolled in the Basic Refrigeration I course.

Additional Fee: 54.70

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
18B2	Var	7:00AM-1:45PM	DAILY	09/24/18-12/12/18	25 300	Mcghee, Dwigh	ENHANCED

### **HAC 257 COMMERCIAL REFRIGERATION**

Troubleshoot and repair commercial refrigeration through study material and DVD format. Refrigeration fundamentals, refrigeration electrical controls, and refrigeration charging are explored. This is a hands-on class utilizing live projects. Prerequisite(s): Must have required hand tools of the trade. Must be enrolled in HAC 202 and HAC 249.

Additional Fee: 74.30

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
18D2	7 Cr	7:00AM-1:45PM	DAILY	09/24/18-12/12/18	25 300	Mcghee, Dwigh	ENHANCED

## **HEMODIALYSIS**

### **HDT 106 DOSAGE CALCULATIONS**

Emphasis on fractions, combined percentages, the metric system, apothecary measurements and conversions, Roman numerals and dosage calculation formulas. Self-paced lab. (For hemodialysis students only). Prerequisite(s): Accuplacer reading/writing combined score of 228 or equivalent, or successful completion of ENG 091. Accuplacer arithmetic score of 230 or equivalent.

Additional Fee: 9.80

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
8802	2 Cr	7:00AM-8:15AM	MT	09/24/18-12/14/18	21 216	Markovits, Ke	HYBRID

### **HDT 108 HEALTH INFORMATION TECHNOLOGY IN PATIENT SERVICE**

Covers the issues, trends, and impacts of electronic and networked information technology on health care services in general. Explores specific issues related to the hemodialysis technician profession.

Additional Fee: 9.80

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
8812	2 Cr	7:00AM-8:15AM	WTh	09/24/18-12/14/18	21 216	Markovits, Ke	HYBRID

### **HDT 116 COMPUTER APPLICATIONS/KEYBOARDING**

Students will use computers to develop touch control and proper keyboarding and keypad techniques, with emphasis on alpha/numeric data entry. Course includes skill building; keyboarding alphabetic, figure, and symbol keys; and continued keyboarding drills and practice to develop a minimum speed and accuracy of 45 WPM/150 KSPM at 98 percent accuracy. Includes an introduction to MS Office Suite for basic business correspondence. Students will use Internet navigation for research projects.

Additional Fee: 9.80

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
8822	2 Cr	8:30AM-9:45AM	WTh	09/24/18-12/14/18	21 216	Markovits, Ke	HYBRID

### **HDT 123 HEMODIALYSIS TERMS ANATOMY & PHYSIOLOGY**

Provides the basic techniques of medical word building to be applied in acquiring an extensive medical vocabulary. Introduces anatomical, physiological, and pathological terms relating to body systems and medical abbreviations.

Additional Fee: 9.80

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
8832	2 Cr	8:30AM-9:45AM	MT	09/24/18-12/14/18	21 216	Markovits, Ke	HYBRID

### **HDT 130 HEMODIALYSIS PRINCIPLES & PROCEDURES I**

Defines the basic principles of diffusion, filtration, fluid dynamics, and osmosis relating to the dialysis process. Includes overviews of the dialysis environment and kidney functions. Covers patient vitals and monitoring treatment, including identification of normal and abnormal values. Students will perform laboratory tests and use patient documentation procedures. Students will learn to identify causes, signs, symptoms, preventions, and interventions for medical and technical complications that may occur during dialysis. Includes patient dietary and nutrition requirements.

Additional Fee: 119.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
8842	5 Cr	10:00AM-1:00PM	MTWTh	09/24/18-12/14/18	21 227	Markovits, Ke	HYBRID

### **HDT 160 CLINICAL PRACTICUM**

During the clinical experience, students will participate in a dialysis facility as a member of the health care team in applying principles of hemodialysis, standard precautions, fluid management, initiating and concluding a dialysis treatment, patient and equipment monitoring, and treatment of routine hemodialysis problems in accordance with the standard dialysis procedures and policies of the facilities. Student will need to complete a total of 300 hours in the clinic. Prerequisite(s): Students must successfully complete HDT 142, 150, 151, and 153 with a score of 80% or higher. Completion of all required immunizations with lab results as outlined. Students must be able to pass background check and drug screening requirements per clinical site. Current 'American Heart Association' (Healthcare Provider CPR/FirstAid BLS) ' no substitutions.

Additional Fee: 14.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
8852	6 Cr	ARRANGED	DAILY	09/24/18-12/14/18	21 227	Markovits, Ke	ENHANCED

### **HDT 165 CLINICAL PRACTICUM II**

During the clinical experience, students will participate in a dialysis facility as a member of the health care team in applying principles of hemodialysis, standard precautions, fluid management, initiating and concluding a dialysis treatment, patient and equipment monitoring, and treatment of routine hemodialysis problems in accordance with the standard dialysis procedures and policies of the facilities. Student will need to complete a total of 300 hours in the clinic. Prerequisite(s): Students must successfully complete HDT 142, 150, 151, and 153 with a score of 80% or higher. Completion of all required immunizations with lab results as outlined. Students must be able to pass background check and drug screening requirements per clinical site. Current 'American Heart Association' (Healthcare Provider CPR/FirstAid BLS) ' no substitutions.

Additional Fee: 14.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
8862	6 Cr	ARRANGED	DAILY	09/24/18-12/14/18	21 227	Markovits, Ke	ENHANCED

## **HISTORY**

### **HIST& 137 WWII TO THE PRESENT**

The historical development of the American people from World War II to the present. Emphasis is placed on the Cold War era, Vietnam, Civil Rights, the liberal consensus, the rise of modern conservatism,

minority relations, the 1990s, post 9-11 American society, and issues of race, class, and gender.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
0574	5 Cr	7:30AM-9:30AM	F	09/28/18-12/07/18	SHC107	Staff	HYBRID

## **HUMAN SERVICES**

### **HS 115 THERAPEUTIC COMMUNICATION SKILLS**

Acquaints students with theories and methods of therapeutic communication as well as multicultural communication. Students will demonstrate mastery of theory through classroom activities including mock interviews and work related client interactions. Prerequisite(s): Successful completion of ENGL& 101, PSYC& 100, any 100-level Computer Applications class of 3 or more credits, and COLL 102 with a grade of 'C' or higher.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
2402	5 Cr	10:00AM-11:50AM	MWF	09/24/18-12/12/18	02 120	Welch, Rober	HYBRID

### **HS 125 HIV/AIDS & BLOOD BOURNE PATHOGENS & BRIEF RISK**

Increase student's knowledge of HIV/AIDS & blood-borne pathogens. Students will gain knowledge of the history of HIV/AIDS and related issues. Provides 10 hours of HIV/ AIDS training in the areas of transmission, occupational safety, and standard precautions. Prerequisite(s): For Human Services Generalists: Students must be a high school graduate or have passed a highschool equivalency test and have Accuplacer reading/writing combined score of 277 or equivalent or higher, or successful completion of ENG 094, and have an Accuplacer quantitative score of 230 or equivalent or successful completion of MAT 092 prior to starting the course. For HSCD certificate students: Completion of a terminal degree (A.A., B.A., M.S., etc.), OR student is entering their fourth quarter of the Human Services associate degree program.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
2432	1 Cr	ARRANGED	ARRANGED	10/08/18-12/12/18	ON LINE	Copeland, D	ONLINE

### **HS 127 INTRODUCTION TO HUMAN SERVICES**

Introduces students to human services as a profession and includes a historical and philosophical framework of human service delivery. Contemporary roles and the human service worker will be covered, including: typical duties and tasks of human service workers, income, maintenance, children's services, family services, aging, substance abuse, mental health, services for persons with disabilities, and the sociocultural aspects of providing services in a multiculturally diverse society. Students will also examine the competencies and qualifications required to become an effective human services worker, as well as the occupational and educational alternatives for graduates. Prerequisite(s): Successful completion of ENGL& 101, PSYC& 100, any 100-level Computer Applications class of 3 or more credits, and COLL 102 with a grade of 'C' or higher.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
2412	5 Cr	9:00AM-9:50AM	DAILY	09/24/18-12/12/18	02 120	Welch, Rober	HYBRID

### **HS 152 INTERNSHIP I**

Students will participate in on-the-job training in the human services field of their choice. Duties and tasks are supervised. Students will perform relevant job duties and tasks within an agency of their choice, attend supervision meetings, identify applicable community resources, and perform other job duties as assigned. Instructor permission is required for site choice. Prerequisite(s): Students must complete HS 225, HS 125, HS 227, and HS 120 to be eligible to take this course.

Instructor Permission required.

Additional Fee: 14.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
2442	3 Cr	ARRANGED	ARRANGED	09/24/18-12/12/18	02 112	Copeland, D	HYBRID

### **HS 215 HUMAN DEVELOPMENT FOR HUMAN SERVICE PROFESSIONAL**

Human development for the human services professional is a lifespan development course looking at the physical, social, cognitive, and emotional development from conception to death. Cultural dynamics, diversity, and social contexts are examined in their relationship to the developmental process. Implications for parenting, education, case management, and social policymaking will be discussed in terms of the application for human services professionals. Prerequisite(s): Students must complete HS 245, HS 222, HS 230, and HS 241 to be eligible to take this course.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
2472	5 Cr	9:00AM-10:00AM	DAILY	09/24/18-12/12/18	02 120	Copeland, D	HYBRID

### **HS 226 MENTAL HEALTH ASSESSMENT AND EVALUATION**

Explores current perspectives of mental health in the helping professions by focusing on the identification, definition, diagnostic criteria, and assessment and evaluation of psychological disorders. Emphasizes the continuum between normal and abnormal behavior by examining biological, psychological, and sociocultural causal factors as they relate to adults and children. Prerequisite(s): Students must complete HS 225, HS 125, HS 227, and HS 120 to be eligible to take this course.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
2452	5 Cr	10:00AM-11:50AM	MWF	09/24/18-12/12/18	02 112	Copeland, D	HYBRID

### **HS 234 CULTURAL COMPETENT PRACTICE**

Provides students with an awareness of the historical, cultural, socioeconomic, biological, and psychosocial influences that define diversity. Examines culturally competent standards that influence best practice standards for human service workers. Students will explore culture, guidelines for culturally sensitive practices, the impact of inequality on a variety of service populations, racism, prejudice, and inclusion strategies. Prerequisite(s): Students must complete HS 225, HS 125, HS 227, and HS 120 to be eligible to take this course.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
2462	5 Cr	10:00AM-11:50AM	TTh	09/25/18-12/11/18	02 112	Copeland, D	HYBRID

### **HS 237 LAW & ETHICS FOR HUMAN SERVICES**

Presents an overview of the ethical and professional issues that human services workers face in the field. Includes ethical decision making, professional responsibilities, liability, confidentiality, records and rights of clients, professional codes of ethics, core values and personal issues, supervision, leadership, and the legal system. Prerequisite(s): Successful completion of ENGL& 101, PSYC& 100, any 100-level Computer Applications class of 3 or more credits, and COLL 102 with a grade of 'C' or higher.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
2422	3 Cr	ARRANGED	ARRANGED	09/24/18-12/12/18	ON LINE	Welch, Rober	ONLINE

### **HS 240 SURVEY OF ADDICTION**

Focuses on addiction in modern society by surveying prevalent addictions and common co-occurring disorders. Students will gain an overview of causal factors and the consequences of addiction as they relate to the individual, family, and community. A strengths-based perspective will focus on the biological, psychological, and sociocultural factors influencing addiction and recovery. Prerequisite(s): Students must complete HS 245, HS 222, HS 230, and HS 241 to be eligible to take this course.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
2482	5 Cr	ARRANGED	ARRANGED	09/24/18-12/12/18	ON LINE	Welch, Rober	HYBRID



## HS 244 INTERNSHIP II

Students will participate in on-the-job training in the human services field of their choice. Duties and tasks are supervised. Students perform relevant job duties and tasks within their agency of choice, attend supervision meetings, identify applicable community resources, and perform other job duties as assigned. Instructor permission is required for site choice. Successful completion of Internship I is required.

Prerequisite(s): Students must consent to and receive a 'No Record on File' report related to crimes against persons in order to be accepted at many clinical sites. Students must complete the following second-quarter Human Services Program courses with a 'C' grade or above to be eligible to take this course: HS 226, HS 234, HS 228, HS 151.

Instructor Permission required.

Additional Fee: 14.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
2484	5 Cr	ARRANGED	ARRANGED	09/24/18-12/12/18	02 112	Copeland, D	HYBRID

## HS 246 GROUP PROCESS

An introduction to the dynamics of group interaction, with emphasis on the student's firsthand experience as a group leader and member. Highlights the factors involved in problems of communication, effective emotional responses, and personal growth. Emphasizes group process as a means of changing behavior. This course is designed to assist human services students, who will function as group leaders and co-leaders. Prerequisite(s): Students must complete HS 245, HS 222, HS 230, and HS 241 to be eligible to take this course.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
2492	3 Cr	10:00AM-11:30AM	TTh	09/25/18-12/11/18	02 120	Watts, Bryant	HYBRID

## HS 255 INTERNSHIP III

Students will participate in on-the-job training in the human services field of their choice. Duties and tasks are supervised. Students perform relevant job duties and tasks within their agency of choice, attend supervision meetings, identify applicable community resources, and perform other job duties as assigned. Instructor permission is required for site choice. Successful completion of Internship II is required.

Prerequisite(s): Successful completion of HS 245 Internship II.

Instructor Permission required.

Additional Fee: 14.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
24A2	3 Cr	ARRANGED	ARRANGED	09/24/18-12/12/18	02 112	Copeland, D	

# HUMAN SERVICES/CHEMICAL DEPENDENCY

## HSCD 134 INTRODUCTION TO ADDICTIONS

Focuses on substance and behavioral addictions in modern society by surveying prevalent addiction trends and common co-occurring disorders. Students will gain an overview of causal factors and the consequences of addiction as they relate to the individual, family, and community. A strengths-based perspective will focus on the biological, psychological, and sociocultural factors influencing addiction and recovery. Prerequisite(s): Completion of a terminal degree associate or higher, or student has completed HS 222, HS 241, HS 230, and HS 255.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
24B2	5 Cr	5:00PM-7:15PM	W	09/26/18-12/12/18	02 112	Weinmann, Jen	HYBRID

### **HSCD 180 ADDICTIONS TREATMENT: ETHICS AND THE LAW**

This course examines the federal and state laws that pertain to chemical dependency for individuals, families, and service agencies, including the relevant WAC and RCW. Students will be introduced to the local criminal, civil, and juvenile court systems. Core topics include the examination and adherence of the ethical standards for chemical dependency professionals in the helping relationship, including implications for clinical supervision and continuing education. Includes ethical decision-making, professional responsibilities, liability, confidentiality, records and rights of clients, professional codes of ethics, core values and personal issues, supervision, leadership, and the legal system. Prerequisite(s): Completion of a terminal degree associate or higher, OR student has completed HS 222, HS 241, HS 230, and HS 255.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
24C2	5 Cr	ARRANGED		ARRANGED 09/24/18-12/12/18	ON LINE	Weinmann, Jen	ONLINE

### **HSCD 215 CASE MANAGEMENT & RECORDKEEPING FOR THE CDP**

This course provides basic chemical dependency case management skills of service coordination, referral practices, community services, ongoing evaluation of treatment progress, client needs, HIV Brief risk intervention for the chemically dependent, and learning documentation standards and applicable laws. Prerequisite(s): Completion of a terminal degree associate or higher, OR student has completed HS 222, HS 241, HS 230, and HS 255.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
24D2	5 Cr	7:30PM-10:00PM	W	09/26/18-12/12/18	02 120	Welch, Rober	HYBRID

### **HSCD 235 CHEMICAL DEPENDENCY PRACTICUM**

Students will work in a supervised chemical dependency agency, as approved by the internship supervisor. Students adhere to ethical and professional responsibilities as per their agency, WAC, RCW, and NAADAC guidelines. The course will provide both individual and group supervision provided by agency and instructional professionals to share experiences and further develop work-related skills. Students will complete 115 hours of supervised clinical experience. Prerequisite(s): Completion of a terminal degree associate or higher, OR student has completed HS 222, HS 241, HS 230, HS 255, and HSCD 134.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
24G2	3 Cr	ARRANGED		ARRANGED 09/24/18-12/12/18	02 120	Weinmann, Jen	HYBRID

### **HSCD 249 CHEMICAL DEPENDENCY & COUNSELING II: ADLT/FAMILY**

Acquaints students with culturally competent models of diagnosis and intervention for families and adolescents, as well as building an understanding for the dynamics among family members impacted by chemical dependency. Provides an overview of adolescent psychology and development and family systems theory. Discusses client, family, and community education for substance misuse. Prerequisite(s): Completion of a terminal degree associate or higher, OR student has completed HS 222, HS 241, HS 230, HS 255, and HSCD 155.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
24F2	5 Cr	5:00PM-7:15PM	W	09/26/18-12/12/18	02 120	Welch, Rober	HYBRID

### **HSCD 251 RELAPSE PREVENTION**

Familiarizes students with the basic philosophy and techniques of relapse prevention for substance abuse and the ongoing process that involves all aspects of the person's wellness and culture. Learn to recognize the warnings signs for relapse, the 12-step approach to recovery, and general wellness concepts. Prerequisite(s): Completion of a terminal degree associate or higher, OR student has completed HS 222, HS 241, HS 230, and HS 255.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
24H2	3 Cr	7:30PM-10:00PM	W	09/26/18-12/12/18	02 112	Weinmann, Jen	HYBRID

# HUMANITIES

## **HUM& 101 INTRODUCTION TO HUMANITIES**

AN INTRODUCTION TO THE HUMANITIES THROUGH INVESTIGATION OF CURRENT EVENTS OFFERED BY LOCAL COMMUNITIES. STUDY OF THE ARTS-PAINTING, SCULPTURE, ARCHITECTURE, DRAMA, FILM, MUSIC AND DANCE - WILL BE ENHANCED BY ATTENDING PERFORMANCES AND ON-LOCATION FIELD TRIPS TO SITES IN THE COMMUNITY. STUDENTS WILL BECOME FAMILIAR WITH TERMINOLOGY OF THE ARTS AND WITH COMMUNITY PERFORMANCE/DEMONSTRATIONS OF THESE SAME ARTS (MULTICULTURAL CONTENT) (WRITING INTERNSIVE) PREREQUISITE: SUCCESSFUL COMPLETION OF ENG 094 WITH A MINIMUM OF C OR EQUIVALENT.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
0547	5 Cr	ARRANGED	ARRANGED	09/24/18-12/12/18	ON LINE	Rendal, Cami	ONLINE

# INTERIOR DESIGN

## **DSN 105 DRAFTING I**

This course introduces students to the fundamental skills and concepts necessary for interior design planning and drawing, including use of drafting tools, exercises in line weight and line type quality, architectural scale, dimensioning, and architectural lettering.

Additional Fee: 79.40

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
3602	6 Cr	9:00AM-11:00AM	DAILY	10/08/18-10/26/18	19 210	Schillar, Sun	

## **DSN 119 INTERIOR DESIGN & THE DESIGN PROCESS**

This course will introduce students to concepts to successfully steer an idea on its journey from imagination to object and to focus on where the idea is going. This introduction describes the nature of a designer's journey, maps the path a designer will take, and explores the path of what happens along the way. This course is an introduction to inspiration, conceptualization, communication, and elements and principles of design and trend spotting.

Additional Fee: 69.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
3612	4 Cr	9:00AM-11:00AM	DAILY	09/24/18-10/05/18	19 210	Bowman, Michl	

## **DSN 124 COLOR THEORY**

This course is an introduction to the world of color, encompassing the following: the three dimensions of color, color systems, color theory, coloring agents, dimensions of color in compositions, principles and elements of design in color, color interactions, symbolisms, influence of color, and exercises of putting color to use.

Additional Fee: 69.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
3622	Var	9:00AM-11:00AM	DAILY	10/29/18-11/16/18	19 210	Bowman, Michl	

### **DSN 136 INTRODUCTION TO DRAWING AND RENDERING**

Introduction to Drawing and Rendering is a beginning look at some of the drawing methods and materials used by interior designers. This course begins with the fundamental concepts of freehand sketching and gaining the ability to think three-dimensionally. It is also an introduction for methods to communicate your design vision through hand-drawn renderings. This is shown by the use of shade, shadow, texture, pattern, color, and material qualities.

Additional Fee: 69.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
3632	Var	9:00AM-11:00AM	DAILY	11/19/18-12/14/18	19 210	Bowman, Michl	

### **DSN 145 RESIDENTIAL, PLANNING, DESIGN AND ENTERIOR SPACE**

Completion of this course will provide students with the understanding of interior space planning basics and concepts using diagrams, residential codes, planning guidelines, and presentation techniques. Students will also learn exterior elements and finishes that help to enclose the space. Prerequisite(s): Successful completion of DSN 105 and DSN 121.

Additional Fee: 74.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
3672	5 Cr	9:00AM-11:00AM	DAILY	11/28/18-12/14/18	19 ARR	Schillar, Sun	

### **DSN 153 DRAFTING III**

Completion of this course provides students with an understanding of typical planning dimensions and guidelines for residential interiors, as well as proper techniques to combine cabinetry, appliances, and applied measurements for graphic presentation standards. Prerequisite(s): Successful completion of DSN 105 and DSN 121.

Additional Fee: 69.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
3662	4 Cr	9:00AM-11:00AM	DAILY	10/24/18-11/16/18	19 ARR	Schillar, Sun	

### **DSN 158 HISTORY OF INTERIORS**

This course is a comprehensive overview of the history of interior design and furniture from antiquity to the present day, with special emphasis on design elements.

Additional Fee: 69.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
3652	4 Cr	9:00AM-11:00AM	DAILY	10/01/18-10/16/18	19 202	Bowman, Michl	

### **DSN 159 INTRO TO TECHNOLOGY FOR INTERIOR DESIGNERS**

This course covers basic computer skills for interior designers. Contents include computer use for file management and Internet research, as well as introductions to virtual 3D modeling and design software for editing and presentation.

Additional Fee: 64.70

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
3642	3 Cr	11:30AM-12:30PM	DAILY	09/24/18-11/27/18	19 202	Watts, Julie	ENHANCED

### **DSN 202 ELEMENTS OF KITCHEN AND BATH DESIGN**

This course is an introduction to the principles and elements of design for kitchens and bathrooms, including basic components, mechanical and lighting systems, color theory and construction applications.

Additional Fee: 24.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
36J2	5 Cr	ARRANGED	ARRANGED	09/24/18-10/12/18	19 202	Wiggins, Just	ENHANCED

### **DSN 206 20/20 DRAFTING**

Learn to design kitchen and bath spaces using 20-20 Design software. Skills learned include the execution of floor plans, elevation drawings, rendered perspectives, reports, and design layouts. on sheets.

Additional Fee: 24.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
36K2	5 Cr	3:00PM-8:00PM	DAILY	10/15/18-11/02/18	19 202	Wiggins, Just	ENHANCED

### **DSN 208 MATERIALS AND ESTIMATING**

This course is an introduction to recommending and calculating quantities for cabinetry, appliances, plumbing fixtures, lighting, hardware, and surfacing materials for kitchens and bathrooms. rials to satisfy the design criteria. Students will learn to research, estimate, recommend and order materials using product specification sheets.

Additional Fee: 19.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
36L2	4 Cr	ARRANGED	ARRANGED	11/02/18-11/27/18	19 202	Wiggins, Just	ENHANCED

### **DSN 211 BUSINESS PROCEDURES AND SALES**

This course provides students with the understanding of business practices generally conducted by interior designers. The study will acquaint students with the basic procedures, documents, ethical conduct, associations, and certification requirements within various business formats. This course is designed to address current topics on interior design and help prepare students for a professional job search.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
36M2	4 Cr	ARRANGED	ARRANGED	11/28/18-12/14/18	ON LINE	Wiggins, Just	ONLINE

### **DSN 215 SUSTAINABLE DESIGN: AN OVERVIEW**

Explores the history and principles associated with green and sustainable design. This course uncovers how the built environment affects people and the natural environment, environmental movements throughout history, green building assessment methods and certification programs, and the environmental responsibilities associated with the interior design profession. Prerequisite(s): Basic competency with computers and navigating the web.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
36D2	5 Cr	ARRANGED	ARRANGED	09/24/18-12/14/18	ON LINE	Watts, Julie	ONLINE

### **DSN 224 SUSTAINABILITY FOR RESIDENTIAL & COMMERCIAL APP**

Examines sustainable approaches to the built environment, including preservation, rehabilitation, restoration, and reconstruction. This course also looks at applying sustainable design elements to residential and a variety of commercial project types. Prerequisite(s): It is recommended to have completed or be concurrently enrolled in DSN 215 Sustainable Design: An Overview. Basic competency with computers and navigating the web.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
36F2	4 Cr	ARRANGED	ARRANGED	09/24/18-12/14/18	ON LINE	Watts, Julie	ONLINE

### **DSN 226 SUSTAINABLE STRATEGIES IN DESIGN**

Introduces sustainable strategies for the integrated interior environment, including identifying materials, products, lighting systems, and building components that embody the principles of sustainability.

Prerequisite(s): It is recommended to have completed or be concurrently enrolled in DSN 215 Sustainable Design: An Overview. Basic competency with computers and navigating the web.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
36G2	5 Cr	ARRANGED	ARRANGED	09/24/18-12/14/18	ON LINE	Watts, Julie	ONLINE

### **DSN 227 COMMERCIAL SPECIFICATIONS**

This course covers general notes used within construction documents, the specification of products, fabrication, and applications for commercial interior design. It also covers the liabilities of the designer in regard to specification writing for codes, standards, and federal regulations that are an essential part of designing building interiors. Prerequisite(s): Successful completion of DSN 225.

Additional Fee: 69.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
3682	4 Cr	9:00AM-11:00AM	DAILY	09/24/18-10/05/18	19 202	Schillar, Sun	

### **DSN 229 SUSTAINABLE INTERIORS & THE INTERGRATED DESIGN P**

Covers the steps to design and present a green interior space. Students will learn more about the integrated design process, develop their own sustainable interior design, and present it in a professional manner in preparation for real-life sustainable design proposals. Prerequisite(s): Completed or concurrently enrolled in DSN 215, DSN 224, and DSN 226. Basic competency with computers and navigating the web.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
36H2	5 Cr	ARRANGED	ARRANGED	09/24/18-12/14/18	ON LINE	Watts, Julie	ONLINE

### **DSN 236 DESIGN II**

Through site visits, research and building plans, students will develop and present a space plan and design concept incorporating sustainable practices for a project of commercial nature, using an existing space as a model. Students will also be introduced to building code topics, such as occupant load and means of egress. Upon completion of the project, students will give a verbal and visual presentation of their design concept. Prerequisite(s): DSN 225.

Additional Fee: 84.30

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
36B2	7 Cr	9:00AM-11:00AM	DAILY	11/14/18-12/14/18	19 202	Watts, Julie	

### **DSN 239 CAD II**

This course includes the intermediate -level use of 2-dimensional CAD (computer-aided drafting). To develop increased knowledge, speed, and accuracy, students will use AutoCAD software to develop an interior drawing set using AutoCAD layouts. Prerequisite(s): Successful completion of DSN 216.

Additional Fee: 74.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
36A2	5 Cr	9:00AM-11:00AM	DAILY	10/23/18-11/13/18	19 202	Watts, Julie	

### **DSN 241 BUSINESS PRACTICES**

This course is an introduction to business practices as generally conducted by interior designers. The intent of this study is to acquaint students with some of the daily basic procedures, documents, ethical conduct, associations, certification requirements, and fees associated with the profession of interior design within various business formats. This course is designed to address current topics within the profession and help prepare students for internships and the job search.

Additional Fee: 69.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
3692	4 Cr	9:00AM-11:00AM	DAILY	10/08/18-10/22/18	19 202	Bowman, Michl	

### **DSN 265 INDEPENDENT STUDY**

Explore or expand knowledge of interior design within an independent study format. With guidance and instructor approval, students will select a meaningful project within an area of interest to strengthen their range of abilities. Students will fulfill several pre-approved objectives at the conclusion of the course, completing a self-assessment and final presentation to the instructor. Prerequisite(s): Instructor approval.

Additional Fee: 64.70

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
36N2	3 Cr	ARRANGED	ARRANGED	09/24/18-12/14/18	19 210	Bowman, Michl	

### **DSN 270 INDEPENDENT STUDY**

Explore or expand knowledge of interior design within an independent study format. With guidance and instructor approval, students will select a meaningful project within an area of interest to strengthen their range of abilities. Students will fulfill several pre-approved objectives at the conclusion of the course, completing a self-assessment and final presentation to the instructor. Prerequisite(s): Instructor approval.

Additional Fee: 19.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
36P2	4 Cr	ARRANGED	ARRANGED	09/24/18-12/14/18	19 210	Bowman, Michl	

### **DSN 275 INDEPENDENT STUDY**

Explore or expand knowledge of interior design within an independent study format. With guidance and instructor approval, students will select a meaningful project within an area of interest to strengthen their range of abilities. Students will fulfill several pre-approved objectives at the conclusion of the course, completing a self-assessment and final presentation to the instructor. Prerequisite(s): Instructor approval.

Additional Fee: 74.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
36Q2	5 Cr	ARRANGED	ARRANGED	09/24/18-12/14/18	19 210	Schillar, Sun	

## **LEADERSHIP**

### **LEADR 100 LEADERSHIP I**

Students taking this course will gain a basic understanding of the concept of leadership theory while developing a personal philosophy of leadership, an awareness of the moral and ethical responsibilities of leadership and to develop and improve their own leadership skills. This course integrates leadership studies through study, observation and application.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
0518	Var	ARRANGED	ARRANGED	09/24/18-12/12/18	ON LINE	Pau, Alison	ONLINE

### **LEADR 101 LEADERSHIP II**

Students taking this course will gain a basic understanding of the concept of leadership theory while developing a personal philosophy of leadership, an awareness of the moral and ethical responsibilities of leadership and to develop and improve their own leadership skills. This course integrates leadership studies through study, observation and application.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
0519	Var	ARRANGED	ARRANGED	09/24/18-12/12/18	ON LINE	Pau, Alison	ONLINE

# LIFESPAN PSYCHOLOGY

## **PSYC& 200 LIFESPAN PSYCHOLOGY**

Introduces the milestones of human development from conception to death. It describes the physical, cognitive, and social growth of people, with special attention to various cultural contexts of development and the rich diversity of individuals. The content is drawn from research and theories in developmental psychology. Students are expected to integrate their personal experiences, knowledge of psychology, and their observations of human development with the content of this course. Implications for parenting, education, and social policy making will be discussed, so that students may apply course information to meaningful problems. Prerequisite(s): Successful completion of PSYC& 100.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
0565	5 Cr	ARRANGED	ARRANGED	09/24/18-12/12/18	ON LINE	Curry, Roger	ONLINE

# MANUFACTURING TECHNOLOGIES

## **MCH 101 SHOP SAFETY**

Provides an overview of the program, orientation to shop procedures, and the responsibilities associated with personal safety and the safety of others. Prerequisite: Instructor's permission.

Instructor Permission required.

Additional Fee: 50.35

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
7802	2 Cr	ARRANGED	ARRANGED	09/24/18-12/12/18	25 105	Dam, Ken	HYBRID

## **MCH 105 SHOP MATH/BLEUPRINT**

Provides a review of basic arithmetic using addition, subtraction, fractions, and decimal fractions. Study of drawings and prints, and an overview of basic measuring tools. Prerequisite: Instructor's permission and MCH 101.

Instructor Permission required.

Additional Fee: 69.95

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
7812	6 Cr	ARRANGED	ARRANGED	09/24/18-12/12/18	25 105	Dam, Ken	HYBRID

## **MCH 107 SHOP MATH/BLEUPRINT II**

Provides study of basic geometry concepts and introduction to calculators. Advanced study of prints and reading of machine details. Prerequisite: Instructor's permission and MCH 101.

Additional Fee: 69.95

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
7822	6 Cr	ARRANGED	ARRANGED	09/24/18-12/12/18	25 105	Dam, Ken	HYBRID

## **MCH 109 SHOP MATH/BLEUPRINT III**

An introduction to trigonometric functions, practical machine mathematical applications, the Cartesian coordinate system, geometric dimensioning, and tolerancing. Prerequisite: Instructor's permission and MCH 101.

Additional Fee: 69.95



<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
7832	6 Cr	ARRANGED	ARRANGED	09/24/18-12/12/18	25 105	Dam, Ken	HYBRID

### **MCH 111 SHOP MACHINE AND TOOLS**

Use and care of hand and machine tools used in measurement, layout, and inspection. Beginning machine tool operation of pedestal grinders, drill presses, and power saws. Prerequisite: Instructor's permission and MCH 101.

Instructor Permission required.

Additional Fee: 69.95

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
7842	6 Cr	ARRANGED	ARRANGED	09/24/18-12/12/18	25 105	Dam, Ken	HYBRID

### **MCH 117 LATHES I**

Progressively difficult operations on lathes with emphasis on setups, speeds, feeds, turning, facing, grooving, threading and tapers. Actual turning jobs from industry may be utilized. Prerequisite: Instructor's permission and MCH 101.

Instructor Permission required.

Additional Fee: 69.95

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
7852	6 Cr	ARRANGED	ARRANGED	09/24/18-12/12/18	25 105	Dam, Ken	HYBRID

### **MCH 121 SAFETY IN THE WORKPLACE**

Progressively difficult operations on milling machines, with emphasis on setups, speeds, feeds, end milling, side milling, shell milling, drilling, and tapping. Actual machining jobs from industry may be utilized. Prerequisite: Instructor's permission and MCH 101.

Additional Fee: 69.95

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
7862	6 Cr	ARRANGED	ARRANGED	09/24/18-12/12/18	25 105	Dam, Ken	HYBRID

### **MCH 122 LATHES & MILLS II**

Intermediate calculations and machining operations with emphasis on accessories for lathes and milling machines. Actual machining jobs from industry may be utilized. Prerequisite: Instructor's permission and MCH 101.

Additional Fee: 79.75

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
7872	8 Cr	ARRANGED	ARRANGED	09/24/18-12/12/18	25 105	Dam, Ken	HYBRID

### **MCH 125 LATHES & MILLS III**

Progressively advanced turning and milling techniques with emphasis placed on precision setup using geometric dimensioning and tolerancing. Actual machining jobs from industry may be utilized. Prerequisite: Instructor's permission and MCH 101.

Additional Fee: 89.55

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
7882	10 Cr	ARRANGED	ARRANGED	09/24/18-12/12/18	25 105	Dam, Ken	HYBRID

### **MCH 126 LATHES & MILLS IV**

Progressively advanced turning and milling techniques with emphasis placed on the use of all shop equipment to complete advanced precision projects. Actual machining jobs from industry may be utilized.

Prerequisite: Instructor's permission and MCH 101.

Additional Fee: 79.75

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
7892	8 Cr	ARRANGED	ARRANGED	09/24/18-12/12/18	25 105	Dam, Ken	HYBRID

### **MCH 129 SURFACE GRINDING**

Progressively difficult grinding operations with emphasis on surface grinding, mounting, dressing, and truing grinding machine wheels. Prerequisite: Instructor's permission and MCH 101

Additional Fee: 60.15

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
78A2	4 Cr	ARRANGED	ARRANGED	09/24/18-12/12/18	25 105	Dam, Ken	HYBRID

### **MCH 133 TOOL & CUTTER GRINDER**

Progressively difficult tool and cutter grinding with emphasis on milling cutters, reamers, and form tools. Prerequisite: Instructor's permission and MCH 101.

Additional Fee: 65.05

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
78B2	5 Cr	ARRANGED	ARRANGED	09/24/18-12/12/18	25 105	Dam, Ken	HYBRID

### **MCH 201 CATIA I**

Gain introductory knowledge of 3D and parametric design using CATIA V5 software to create basic parts and assemblies in solids and wireframe. Prerequisite(s): Instructor permission required.

Additional Fee: 65.05

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
78C2	5 Cr	ARRANGED	ARRANGED	09/24/18-12/12/18	25 ARR	Dam, Ken	HYBRID

### **MCH 202 INTRODUCTION TO CNC**

Introduction to CNC programming software and setups using CAD/CAM interfacing and project milling, drilling, and lathe turning. Actual machining jobs from industry may be used. Prerequisite(s): Instructor's permission and MCH 101.

Additional Fee: 74.85

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
78D2	7 Cr	ARRANGED	ARRANGED	09/24/18-12/12/18	25 105	Dam, Ken	HYBRID

### **MCH 203 CATIA II**

Build upon modeling and parametric design using CATIA V5 software to apply graphic skills to create parts, assemblies, and profiles in solids and wireframe. Prerequisite(s): Instructor permission required.

Additional Fee: 55.25

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
78F2	3 Cr	ARRANGED	ARRANGED	09/24/18-12/12/18	25 ARR	Dam, Ken	HYBRID

### **MCH 206 CATIA III**

Apply more advanced modeling and parametric design using CATIA V5 software to create complex parts and assemblies in solids and wireframes. Prerequisite(s): Instructor permission required.

Additional Fee: 55.25

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
78G2	3 Cr	ARRANGED	ARRANGED	09/24/18-12/12/18	25 ARR	Dam, Ken	HYBRID

### **MCH 211 MEASUREMENT INSPECTION & EQUIPMENT**

Covers understanding and operating Computer Numerical Control (CNC) machinery. Also includes writing programs and manual data input. Actual machining jobs from industry may be used. Prerequisite(s): Instructor's permission and MCH 101. Covers progressively advanced CNC machining techniques, with emphasis placed on program troubleshooting and increased production. Actual machining jobs from industry may be used. Prerequisite(s): Instructor's permission and MCH 101.

Additional Fee: 89.55

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
78H2	10 Cr	ARRANGED	ARRANGED	09/24/18-12/12/18	25 105	Dam, Ken	HYBRID

### **MCH 216 ADVANCED CNC**

Progressively advanced CNC machining techniques with emphasis placed on program troubleshooting, and increased production. Actual machining jobs from industry may be utilized. Prerequisite: Instructor's permission and MCH 101.

Additional Fee: 99.35

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
78J2	12 Cr	ARRANGED	ARRANGED	09/24/18-12/12/18	25 105	Dam, Ken	HYBRID

### **MCH 219 CAREER OPPORTUNITIES**

Covers writing a resume, researching employers and job -search techniques. Prerequisite(s): Instructor's permission and MCH 101.

Additional Fee: 60.15

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
78K2	4 Cr	ARRANGED	ARRANGED	09/24/18-12/12/18	25 105	Dam, Ken	HYBRID

### **MCH 223 INSPECTION TECHNIQUES**

Covers proper use of inspection tools and equipment. Emphasis is on applied use of geometric dimensioning and tolerancing, with use of granite layout surfaces. Prerequisite(s): Instructor's permission and MCH 101.

Additional Fee: 69.95

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
78L2	6 Cr	ARRANGED	ARRANGED	09/24/18-12/12/18	25 105	Dam, Ken	HYBRID

### **MCH 229 METALLURGY & HEAT TREATMENT**

Provides insight into the study of the properties and compositions of metals. Emphasis is on heat treatment of metals. Prerequisite(s): Instructor's permission and MCH 101.

Additional Fee: 60.15

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
78M2	4 Cr	ARRANGED	ARRANGED	09/24/18-12/12/18	25 105	Dam, Ken	HYBRID

### **MCH 231 MANUFACTURING RESOURCES & RESEARCH**

This course is a study of resources for machining information, with emphasis on methods of research. Prerequisite(s): Instructor's permission and MCH 101.

Additional Fee: 60.15

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
78N2	4 Cr	ARRANGED	ARRANGED	09/24/18-12/12/18	25 105	Dam, Ken	HYBRID

## **MCH 240 TRAINING AND PRACTICE**

This course provides special instruction to suit the individuals needs. Repeated enrollment ensures progressively advanced training. The number of times one may enroll is based on the students needs, at the instructors advisement. PREREQUISITE: MCH 101 and Instructor's permission.

Additional Fee: 89.55

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
78P2	Var	ARRANGED	ARRANGED	09/24/18-12/12/18	25 105	Dam, Ken	

# **MASSAGE**

## **MASST 110 ANATOMY PHYSIOLOGY AND PATHOLOGY I**

Introduces the student to anatomy and physiology, cytology, integumentary, osteology, mycology, and nervous system. ""

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
1202	Var	9:00AM-11:30AM	WF	09/26/18-12/12/18	08 108	Scott, Patric	HYBRID

## **MASST 112 SWEDISH MASSAGE THEORY**

Introduces students to the history, application, and principles of Swedish massage. This includes not only the massage strokes, but also client safety, communication, and charting of results. Prerequisite(s): Potential students entering the program must test at college level (283 or higher) in reading on the Accuplacer or equivalent or have completed ENG 094. Students must also have documentation of training in standard first aid and CPR and a four-hour HIV/AIDS/blood-borne pathogens class. A Washington State Patrol check will be required during the first quarter of study to progress to the second quarter. Some results from the background check may prevent individuals from participating in certain classes. Co-requisites: MASST 112 must be taken concurrently with MASST 120.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
1212	Var	9:00AM-11:30AM	TTh	09/25/18-12/11/18	08 108	Meziere, Yvon	

## **MASST 116 COMPLEMENTARY MASSAGE MODALITIES I**

Introduces the student to a variety of massage modalities that can be safely integrated into a massage practice. Modalities covered include fascial techniques, acupressure, seated massage and side-lying. Indications, contra-indications and treatment modifications will be identified. Prerequisite: Successful completion of MASST 114 and MASST 117. ""

Additional Fee: 73.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
1222	Var	12:00PM-3:30PM	M	09/24/18-12/10/18	08 317	Meziere, Yvon	

## **MASST 120 SWEDISH MASSAGE PRACTICE**

Students will apply knowledge and techniques taught in Swedish Massage Theory. This class prepares students to practice safe, relaxing, therapeutic, and effective Swedish massage. In addition to proper use and application of Swedish massage strokes, students will also practice proper self-care techniques and learn how to care for their equipment. Co-requisites: MASST 120 must be taken concurrently with MASST 112.

Additional Fee: 109.40

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
1232	Var	12:15PM-3:30PM	TTh	09/25/18-12/11/18	08 317	Meziere, Yvon	

### **MASST 126 KINESIOLOGY: UPPER EXTREMITY**

Introduces students to the study of movement. Presents the beginning principles and skills for locating and identifying bony landmarks and muscles of the upper extremity using palpation techniques, movement, and anatomical terminology. ""

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
1242	Var	12:15PM-3:30PM	WF	09/26/18-12/12/18	08 305	Meziere, Yvon	

### **MASST 130 KINESIOLOGY: TRUNK AND MODALITIES I**

Continue the study of movement. Builds upon the principles and skills for locating and identifying bony landmarks and muscles of the trunk using palpation techniques, movement, and anatomical terminology. Prerequisite: Successful completion of MASST 126 "" Prerequisite(s): Successful completion of MASST 126.

Additional Fee: 36.40

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
1252	Var	12:15PM-3:30PM	WF	09/26/18-12/12/18	08 305	Meziere, Yvon	

### **MASST 132 DEEP TISSUE MASSAGE THEORY**

Introduces students to a variety of massage treatment techniques, providing groundwork for clinical massage applications. Indications, contraindications, and treatment modifications will be identified and discussed. Prerequisite(s): Successful completion of MASST 112 and MASST 120. MASST 132 must be taken concurrently with MASST. 135.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
1272	3 Cr	5:30PM-10:00PM	MWF	09/24/18-10/12/18	08 305	Priest, Jason	

### **MASST 135 DEEP TISSUE MASSAGE PRACTICE**

Building on the massage techniques learned in Swedish massage theory and practice, students become proficient in a variety of deep-tissue techniques. Prerequisite(s): Successful completion of MASST 112 and MASST 120. Co-requisites: MASST 135 must be taken concurrently with MASST 132.

Additional Fee: 109.40

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
1282	4 Cr	5:30PM-10:00PM	MWF	10/15/18-12/12/18	08 305	Priest, Jason	

### **MASST 137 KINESIOLOGY: HEAD AND NECK**

Continues the study of movement while building upon the principles and skills for locating and identifying bony landmarks and muscles of the head and neck using palpation techniques, movement, and anatomical terminology. Prerequisite: Successful completion of MASST 126. "" Prerequisite(s): Successful completion of MASST 126.

Additional Fee: 36.40

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
1292	1 Cr	7:00PM-9:30PM	TTh	09/25/18-10/18/18	08 108	Priest, Jason	

### **MASST 143 MASSAGE BUSINESS & ETHICS I**

Introduces important business knowledge, skills, and professional ethics vital to the successful practice of massage therapy after licensure. Learn and follow professional ethics as related to massage and learn and practice universal safety precautions, utilize and understand common medical terms, research the different avenues of employment available, and begin the process of building a successful massage business. ""

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
1262	Var	9:00AM-11:30AM	M	09/24/18-12/10/18	08 317	Meziere, Yvon	

## MASST 146 KINESIOLOGY: LOWER EXTREMITY

Continue the study of movement. This course builds upon the principles and skills for locating and identifying bony landmarks and muscles of the lower extremity using palpation techniques, movement, and anatomical terminology. Prerequisite: Successful completion of MASST 126. "Prerequisite(s): Successful completion of MASST 126.

Additional Fee: 36.40

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
12A2	2 Cr	7:00PM-9:00PM	TTh	10/23/18-12/11/18	08 108	Priest, Jason	

## MASST 148 MESSAGE BUSINESS AND ETHICS II

Learn and demonstrate a variety of successful business strategies, from marketing to record keeping, in addition to becoming knowledgeable regarding state and local laws that govern massage therapy in Washington State. Prerequisite(s): Successful completion of MASST 143.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
12B2	1 Cr	5:30PM-7:00PM	TTh	09/25/18-12/06/18	08 108	Priest, Jason	

## MASST 162 MESSAGE CLINIC I

Gain first-hand knowledge and experience by running a massage clinic. In addition to providing relaxation and deep tissue massage, each student will also have an opportunity to experience the more administrative positions in a clinic by rotating through the positions of receptionist, cashier, and scheduling manager. Prerequisite: Successful completion of MASST 114 and MASST 117. Student must have current First Aid/CPR certification, as well as having completed a minimum of four hours HIV-AIDS training, and a report from the Washington State Patrol. Some results from the background check may prevent individuals from participating in the Student Clinic. " clinic.

Additional Fee: 14.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
12C2	2 Cr	5:30PM-9:45PM	W	10/31/18-12/12/18	08 305	Priest, Jason	

# MATH

## MAT 092 PRE-ALGEBRA

Covers basic operations with whole numbers, fractions, decimals, percentages, ratios and proportions, signed numbers, algebraic expressions, linear equations, order of operations, basic geometry, units of measurement, and introduction to statistics. Prerequisite(s): Accuplacer arithmetic score of 230 or equivalent or higher.

Additional Fee: 24.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
5W11	5 Cr	8:00AM-8:50AM	DAILY	09/24/18-12/12/18	16 202	Sandoval, L	HYBRID
5W12	5 Cr	9:00AM-9:50AM	DAILY	09/24/18-12/12/18	16 202	Sandoval, L	HYBRID
5W13	Var	11:00AM-11:50AM	MTW	09/24/18-12/12/18	16 116	Mollas, Tula	HYBRID
5W14	5 Cr	ARRANGED	ARRANGED	09/24/18-12/12/18	ON LINE	Mollas, Tula	ONLINE
5W29	Var	11:00AM-11:50AM	DAILY	09/24/18-12/12/18	16 202	Sandoval, L	HYBRID
5W32	5 Cr	1:00PM-1:50PM	DAILY	09/24/18-12/12/18	16 202	Sandoval, L	HYBRID
5W41	5 Cr	4:00PM-6:30PM	MW	09/24/18-12/12/18	15 111	Parnell, Sam	HYBRID
5W20	5 Cr	8:00AM-10:30AM	TTh	09/25/18-12/12/18	16 208	Schmeling, L	HYBRID

5W23	5 Cr	9:10AM-10:50AM	TWTh	09/25/18-12/12/18	15 111	Parnell, Sam	HYBRID
5W26	5 Cr	9:00AM-10:40AM	TWTh	09/25/18-12/12/18	16 113	Alexander, Di	HYBRID
5W35	5 Cr	1:30PM-3:30PM	TTh	09/25/18-12/12/18	SHC107	Alexander, Di	HYBRID
5W38	5 Cr	3:00PM-5:20PM	TTh	09/25/18-12/12/18	16 202	Sandoval, L	HYBRID
5W44	5 Cr	6:30PM-9:00PM	TTh	09/25/18-12/12/18	16 202	Sandoval, L	HYBRID
5W47	5 Cr	9:00AM-2:30PM	Sa	09/29/18-12/12/18	15 111	Parnell, Sam	HYBRID

### **MAT 094 INTRODUCTION TO ALGEBRA**

Develops algebraic topics, including algebraic expressions, solving linear equations and inequalities, coordinate graphing, systems of equations, polynomials, factoring, and introduction to rational expressions. Prerequisite(s): Accuplacer quantitative score of 230 or equivalent or successful completion of MAT 092 is required. Expands on algebraic topics, including solving equations and inequalities, graphing of linear and nonlinear equations, and rational expressions. Develops topics, including roots and radicals; solving absolute value equations and inequalities; solving quadratic, exponential and logarithmic equations; and introduction to functions. Prerequisite(s): Accuplacer quantitative score of 252 or equivalent or successful completion of MAT 094.

Additional Fee: 24.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
5W15	5 Cr	10:00AM-10:50AM	MTW	09/24/18-12/12/18	16 116	Mollas, Tula	HYBRID
5W16	5 Cr	11:00AM-11:50AM	DAILY	09/24/18-12/12/18	14 201	Alexander, Di	HYBRID
5W17	5 Cr	3:00PM-3:50PM	DAILY	09/24/18-12/12/18	15 111	Parnell, Sam	HYBRID
5W18	5 Cr	ARRANGED	ARRANGED	09/24/18-12/12/18	ON LINE	Sandoval, L	ONLINE
5W30	Var	11:00AM-11:50AM	DAILY	09/24/18-12/12/18	16 202	Sandoval, L	HYBRID
5W33	5 Cr	1:00PM-1:50PM	DAILY	09/24/18-12/12/18	16 202	Sandoval, L	HYBRID
5W42	5 Cr	4:00PM-6:30PM	MW	09/24/18-12/12/18	15 111	Parnell, Sam	HYBRID
5W21	5 Cr	8:00AM-10:30AM	TTh	09/25/18-12/12/18	16 208	Schmeling, L	HYBRID
5W24	5 Cr	9:10AM-10:50AM	TWTh	09/25/18-12/12/18	15 111	Parnell, Sam	HYBRID
5W27	5 Cr	9:00AM-10:40AM	TWTh	09/25/18-12/12/18	16 113	Alexander, Di	HYBRID
5W36	5 Cr	1:30PM-3:30PM	TTh	09/25/18-12/12/18	SHC107	Alexander, Di	HYBRID
5W39	5 Cr	3:00PM-5:20PM	TTh	09/25/18-12/12/18	16 202	Sandoval, L	HYBRID
5W45	5 Cr	6:30PM-9:00PM	TTh	09/25/18-12/12/18	16 202	Sandoval, L	HYBRID
5W48	5 Cr	9:00AM-2:30PM	Sa	09/29/18-12/12/18	15 111	Parnell, Sam	HYBRID

### **MAT 099 INTERMEDIATE ALGEBRA**

Algebraic operations and concepts, solving equations and inequalities including quadratic equations, rational expressions, exponents, roots and radicals, graphing of linear and quadratic functions, and introduction to logarithms. PREREQUISITES: Appropriate COMPASS or successful completion of MAT 91 is required.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
5W19	5 Cr	ARRANGED	ARRANGED	09/24/18-12/12/18	ON LINE	Schmeling, L	ONLINE
5W31	Var	11:00AM-11:50AM	DAILY	09/24/18-12/12/18	16 202	Sandoval, L	HYBRID
5W34	5 Cr	1:00PM-1:50PM	DAILY	09/24/18-12/12/18	16 202	Sandoval, L	HYBRID
5W43	5 Cr	4:00PM-6:30PM	MW	09/24/18-12/12/18	15 111	Parnell, Sam	HYBRID
5W22	5 Cr	8:00AM-10:30AM	TTh	09/25/18-12/12/18	16 208	Schmeling, L	HYBRID
5W25	5 Cr	9:10AM-10:50AM	TWTh	09/25/18-12/12/18	15 111	Parnell, Sam	HYBRID
5W28	5 Cr	9:00AM-10:40AM	TWTh	09/25/18-12/12/18	16 113	Alexander, Di	HYBRID
5W37	5 Cr	1:30PM-3:30PM	TTh	09/25/18-12/12/18	SHC107	Alexander, Di	HYBRID
5W40	5 Cr	3:00PM-5:20PM	TTh	09/25/18-12/12/18	16 202	Sandoval, L	HYBRID

5W46	5 Cr	6:30PM-9:00PM	TTh	09/25/18-12/12/18	16 202	Sandoval, L	HYBRID
5W49	5 Cr	9:00AM-2:30PM	Sa	09/29/18-12/12/18	15 111	Parnell, Sam	HYBRID

### **MAT 103 BUSINESS MATHEMATICS**

Develops elements of algebra applied to percentages, markup and markdown, discounts, payroll, and simple and compound interest. Scientific calculator required. Prerequisite(s): Accuplacer advanced algebra score of 233 or equivalent or successful completion of MAT 093 or MAT 094.

Additional Fee: 24.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
0538	5 Cr	2:00PM-2:50PM	MTWTh	09/24/18-12/11/18	16 208	Schmeling, L	HYBRID
0539	5 Cr	ARRANGED	ARRANGED	09/24/18-12/12/18	ON LINE	Schmeling, L	ONLINE
0582	5 Cr	ARRANGED	ARRANGED	09/24/18-12/12/18	ON LINE	Stultz, Dougl	ONLINE

### **MAT 105 MAT 105 MATH FOR INDUSTRIAL PROFESSIONS**

Develops elements of algebra, geometry, metric measure, and trigonometry to calculate areas, volumes and angles for polygonal objects, objects with smooth curves, and composite objects, with applications to material strength tapers, pulleys, gears, screw threads and elementary engines. Scientific Calculator required. PREREQUISITE: Appropriate COMPASS score or successful completion of MAT 91 is required.

Additional Fee: 24.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
0540	Var	10:00AM-10:50AM	DAILY	09/24/18-12/12/18	14 208	Stultz, Dougl	HYBRID
0541	Var	ARRANGED	ARRANGED	09/24/18-12/12/18	ON LINE	Gangaram, Jit	ONLINE

### **MAT 108 MATH FOR HEALTH OCCUPATIONS**

Covers solutions to linear equations and quadratic equations with real roots, formulas; U.S., metric and apothecary measurement; calculation of dosages and intravenous fluid infusions; solutions and dilutions, logarithms and pH, elementary chemical calculations, and elementary statistics including standard deviation. Scientific calculator required. PREREQUISITE: Appropriate COMPASS score or successful completion of MAT 91 is required.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
0542	5 Cr	ARRANGED	ARRANGED	09/24/18-12/12/18	ON LINE	Sweerus, Neil	ONLINE
0543	5 Cr	10:00AM-10:50AM	DAILY	09/24/18-12/12/18	16 202	Sweerus, Neil	HYBRID

### **MAT 111 MATH FOR COSMOTOLOGY/ESTHETICS PROFESSIONALS**

This course is designed to prepare students interested in the cosmetology career to gain confidence in the mathematics and problem solving they may encounter. Topics covered include: methods of mathematical operations; order of operations; fractions; percentages; decimals; mathematical expressions and equation; solving variable equations and formulas; markdowns and markups; simple business math calculations; unit analysis, including US and metric measuring systems; time management; handling payroll. Prerequisite(s): Successful completion of MAT 093.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
0545	5 Cr	ARRANGED	ARRANGED	09/24/18-12/12/18	ON LINE	Stultz, Dougl	ONLINE

### **MAT 311 MATHEMATICAL TECHNIQUES FOR OPERATIONS MANAGMENT**

Provides students with the foundational mathematical tools required for operations management, including acceptance sampling, decision theory, probability theory, and linear programming. Prerequisite(s): Successful completion of MATH& 146.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
BA12	5 Cr	ARRANGED	ARRANGED	09/29/18-12/12/18	19 122	Ostadfar, Ali	HYBRID



## **MAT 413 MEASUREMENT AND STATISTICAL PROCESS CONTROL**

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
BA42	5 Cr	ARRANGED	ARRANGED	09/24/18-12/12/18	19 122	Ostadfar, Ali	HYBRID

## **MATH& 107 MATH IN SOCIETY**

Exploration of mathematical concepts, with emphasis on observing closely, developing critical thinking, analyzing and synthesizing techniques, improving problem-solving skills, and applying concepts to new situations. Core topics are probability and statistics. Additional topics may be chosen from a variety of math areas useful in our society. Prerequisite(s): Appropriate Accuplacer advanced algebra score of 233 or equivalent or successful completion of MAT 099.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
0544	5 Cr	ARRANGED	ARRANGED	09/24/18-12/12/18	ON LINE	Stultz, Dougl	ONLINE

## **MATH& 141 PRECALCULUS I**

Covers linear, quadratic, polynomial, rational, absolute value, exponential, logarithmic, and inverse functions and equations; composite functions, linear and quadratic inequalities, graphs of functions, relations, and inequalities; and graphic transformations. Introduces limits, linear and quadratic curve fitting, and mathematical modeling, including exponential growth and decay. Graphing calculator required. Prerequisite(s): Appropriate Accuplacer advanced algebra score of 233 or equivalent or successful completion of MAT 099.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
0546	5 Cr	ARRANGED	ARRANGED	09/24/18-12/12/18	ON LINE	Schmeling, L	ONLINE
0551	5 Cr	1:00PM-2:45PM	MW	09/24/18-12/12/18	SHC114	Alexander, Di	HYBRID

## **MATH& 142 PRECALCULUS II**

Covers circular, trigonometric, and inverse-trigonometric functions and graphs; trigonometric and inverse trigonometric identities; trigonometric equations; vectors and elementary vector operations; De Moivre's theorem and equations with complex solutions; and polar and parametric equations and their graphs. Graphing calculator required. Prerequisite(s): Appropriate Accuplacer advanced algebra score of 263 or equivalent or successful completion of MATH& 141 or equivalent.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
0548	5 Cr	ARRANGED	ARRANGED	09/24/18-12/12/18	ON LINE	Schmeling, L	ONLINE

## **MATH& 146 INTRODUCTION TO STATISTICS**

Descriptive and inferential statistics, including measures of central tendency, dispersion or variation, and skewness. Students are introduced to basic concepts in probability, as well as discrete and continuous probability distribution functions. Statistical inference includes sampling, elementary experimental design, and hypothesis testing using normal, student's T, and F-distributions; linear regression and correlation; and the chi-square distribution. Graphing calculator is required. Prerequisite(s): Appropriate Accuplacer advanced algebra score of 263 or equivalent or successful completion of MAT 099 is required.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
0549	5 Cr	ARRANGED	ARRANGED	09/24/18-12/12/18	ON LINE	Alexander, Di	ONLINE
0550	5 Cr	ARRANGED	ARRANGED	09/24/18-12/12/18	ON LINE	Sweerus, Neil	ONLINE
0554	5 Cr	11:00AM-11:50AM	DAILY	09/24/18-12/12/18	16 208	Sweerus, Neil	

# **MECHATRONICS**

## **MEC 115 DC CIRCUITS**

Covers DC electrical terms, equations and theory. Presents techniques used for solving problems involving resistance, voltage, and current in circuits. Presents fundamental laws and relationships applied to the analysis of circuits, including capacitors and/or inductors. Basic circuit fabrication techniques and standard instrumentation used in test and measurement of DC circuits will also be covered. Prerequisite(s): Successful completion of FSME 113, PHYS& 114, MATH& 141.

Additional Fee: 44.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
MQ82	Var	7:30AM-3:15PM	MTWTh	09/24/18-12/12/18	25 103	Sawatzki, Jas	HYBRID

## **MEC 120 COMPUTER AIDED DESIGN I**

Introduces the use of parametric computer-aided design (CAD) software to design parts working from engineering sketches and/or prototypes. Prerequisite(s): Successful completion of FSME 113.

Additional Fee: 44.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
MQ62	5 Cr	7:30AM-3:15PM	MTWTh	09/24/18-12/12/18	25 103	Wenngren, Car	HYBRID

## **MEC 128 APPLIED STATICS AND STRENGTHS OF MATERIALS**

Additional Fee: 44.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
MQ72	5 Cr	7:30AM-3:15PM	MTWTh	09/24/18-12/12/18	25 103	Sawatzki, Jas	HYBRID

## **MEC 135 DIGITAL ELECTRONICS AND NETWORKING**

Introduces logic fundamentals, numbering systems, codes, gates, truth tables, basic Boolean theorems, and combination logic circuits. Also introduces the elements used to create TCP/IP-based industrial networks, including switches, routers, and firewalls. The course will include network troubleshooting and the use of network diagnostic tools. Prerequisite(s): Successful completion of MEC 115.

Additional Fee: 44.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
MQ52	5 Cr	7:30AM-3:15PM	MTWTh	09/24/18-12/12/18	25 103	Sawatzki, Jas	HYBRID

## **MEC 140 COMPUTER PROGRAMMING**

Introduces computer programming and problem solving. Topics include language syntax, data types, program organization, algorithm design, and logic control structures. Also covers program design techniques, such as flowcharts and the use of pseudocode. Prerequisite(s): Successful completion of MATH& 141.

Additional Fee: 44.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
MQ92	Var	7:30AM-3:15PM	MTWTh	09/24/18-12/12/18	25 103	Wenngren, Car	HYBRID

## **MEC 160 PROGRAMMABLE CONTROLS I**

Covers programmable logic controller (PLC) architecture, configuration, and programming. Teaches students what PLCs do and where they are used. Introduces the Relay Ladder Diagram (RLD) programming language. Students will write and test PLC RLD programs and create a PLC system using digital and analog I/O simulators. Prerequisite(s): Successful completion of MEC 140.

Additional Fee: 44.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
-------------	-------------	--------------	-------------	------------------------	-----------------	----------------	-----------------

MQ42 5 Cr 7:30AM-3:15PM MTWTh 09/24/18-12/12/18 25 103 Wenngren, Car HYBRID

### **MEC 165 ROBOTICS**

Covers basic robot terminology and operational skills, including safety, moving a robot in joint and world modes, and creating Teach Pendant programs. Students will also learn about preventative maintenance and program a robot to carry out simple tasks representative of industrial practice. Prerequisite(s): Successful completion of MEC 140.

Additional Fee: 44.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
MQA2	5 Cr	7:30AM-3:15PM	MTWTh	09/24/18-12/12/18	25 103	Wenngren, Car	HYBRID

### **MEC 173 APPLIED MECHATRONICS**

In this course students develop applied systems by integrating elements of the constituent fields of mechatronics: electrical, mechanical, communication, control, and computing processes and devices. Students revisit fundamental skills and apply them to multidisciplinary challenges in the lab. Projects may include construction and modification of equipment to increase the capacity of the mechatronics lab.

Additional Fee: 44.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
MQB2	5 Cr	7:30AM-3:15PM	MTWTh	09/24/18-12/12/18	25 103	Sawatzki, Jas	HYBRID

### **MEC 289 INTERNSHIP/WORK EXPERIENCE**

Provides students with practical on-the-job experience, and offers students a way to combine classroom study with related work experience under the supervision of an employer. Work experience must be related to the student's educational and career objectives in the field of mechatronics. Includes a weekly seminar component. Students must submit, at or before registration, a description of the proposed internship, signed by the employer, the instructor, and the student. Prerequisite(s): Instructor permission.

Instructor Permission required.

Additional Fee: 34.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
MQD2	5 Cr	ARRANGED	ARRANGED	09/25/18-12/12/18	25 103	Sawatzki, Jas	HYBRID

### **MEC 290 MECHATRONICS CAPSTONE PROJECT**

A required capstone project to be completed prior to graduation as a final check of competency. Students meet in person with an instructor and agree to a project that will apply the skills and competencies that students have acquired in the program, and that will result in a portfolio piece showcasing their abilities. Students must submit, at or before registration, a description and timetable for completion, signed by both the instructor supervising the capstone project and the student. This course is to be taken the final quarter of the program. Prerequisite(s): Instructor permission.

Instructor Permission required.

Additional Fee: 44.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
MQC2	5 Cr	ARRANGED	ARRANGED	09/25/18-12/12/18	25 103	Sawatzki, Jas	HYBRID

## **MEDICAL ASSISTANT**

**MAP 107 INTRODUCTION TO MEDICAL ASSISTING**

Learn and demonstrate asepsis and infection control. Perform anthropometric measurements, vital signs and physical examination. Instruction and discussion also includes the overall function of the medical assistant within the health care team, including legal responsibilities and limitations. College and program policies and procedures are extensively discussed. This course must be successfully completed in order to proceed in the program. Prerequisite(s): Students must attend a mandatory information session/advising meeting with an instructor before or once the student has registered for MAP 107. Co-requisites: CAH 102, CAH 105, and COLL 102.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
3892	Var	9:00AM-2:00PM	M	10/01/18-12/03/18	21 108	Jones, Michel	

### **MAP 121 BODY SYSTEMS THEORY 101**

Caring for patients with disorders associated with hematology, endocrinology, obstetrics and gynecology, urology and male reproduction, and gastroenterology. Instruction will include anatomy and physiology, pathophysiology, pharmacology, and terminology. Prerequisite(s): Successful completion of CAH 102, CAH 105, COLL 102, and MAP 107. Co-requisites: MAP 124.

Additional Fee: 19.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
3802	Var	12:00PM-3:00PM	TTh	09/25/18-12/11/18	21 108	Jones, Michel	HYBRID

### **MAP 124 BODY SYSTEMS APPLICATIONS 101**

Practice fundamental skills relating to Body Systems Theory 101. Skills include microhematocrit, blood glucose monitoring, care and use of the microscope, pregnancy testing, physical and chemical urinalysis, and UA slide preparation. Prerequisite(s): Successful completion of CAH 102, CAH 105CL, COLL 102, and MAP 107. Co-requisites: MAP 121.

Additional Fee: 27.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
3812	Var	12:00PM-3:00PM	WF	09/26/18-12/12/18	21 108	Jones, Michel	HYBRID

### **MAP 164 BODY SYSTEMS APPLICATIONS 103**

Practice fundamental skills relating to Body Systems Theory 103. Skills include wound and burn care; assisting with application and removal of sutures, surgical staples and casting; asepsis and infection control; identifying surgical instruments and proper care of instruments; assisting with minor office surgery; and operating the autoclave. Also includes activities related to safety and emergency practices.

Prerequisite(s): Successful completion of MAP 146 and MAP 147. Co-requisites: MAP 166 and MAP 209.

Additional Fee: 27.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
3872	4 Cr	3:00PM-6:00PM	WF	09/24/18-12/12/18	21 122	Gowan, Amy	HYBRID

### **MAP 166 BODY SYSTEMS THEORY 103**

Caring for patients with disorders associated with dermatology, orthopedic medicine, and surgical asepsis, as well as learning procedures and safety and emergency practices. Instruction will include anatomy and physiology, pathophysiology, pharmacology, and terminology. Prerequisite(s): Successful completion of MAP 147 and MAP 146. Co-requisites: MAP 164 and MAP 209.

Additional Fee: 19.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
3862	4 Cr	3:00PM-6:00PM	TTh	09/25/18-12/11/18	21 108	Gowan, Amy	HYBRID

### **MAP 173 ACCOUNTING PRACTICES**

Covers basics of accounting and bookkeeping. Includes expanded discussion on manual procedures for

accounts receivable management for both private patients and insurance companies. Prerequisite(s): MAT 092 or higher. Completion of MAP 171 and MAP 179. Co-requisites: MAP 177 and MAP 209.

Additional Fee: 19.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
3842	4 Cr	6:30PM-9:00PM	TWThF	09/25/18-11/07/18	21 108	Gowan, Amy	HYBRID

### **MAP 177 FINANCIAL PRACTICES**

Continues developing skills from Accounting Practices course. Instruction also includes bank accounts, cash funds, and methods of preparation for employee and employer payroll and business taxes.

Prerequisite(s): MAT 092 or higher. Successful completion of MAP 171 and MAP 179. Co-requisites: MAP 173 and MAP 209.

Additional Fee: 9.80

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
3852	Var	6:30PM-9:00PM	TWThF	11/08/18-12/07/18	21 108	Gowan, Amy	HYBRID

### **MAP 182 PATIENT RECEPTION AND LEGAL COMPONENTS**

Emphasis on customer service within the health care field, focusing on effective communication with the patient while projecting and promoting a positive image of the profession and the office. This course also includes telephone techniques, patient scheduling, introduction to chart management, and business correspondence for the medical office, including cover letter and resume preparation. Define law and ethics relating to the health care field focusing on components specific to medical assistants.

Prerequisite(s): Successful completion of CAH 102, CAH 105CL, COLL 102, and MAP 107. Co-requisites: MAP 184.

Additional Fee: 19.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
3822	Var	8:00AM-11:00AM	TWThF	09/25/18-11/01/18	21 108	Jones, Michel	HYBRID

### **MAP 184 MEDICAL RECORDS MANAGEMENT**

Instruct and apply knowledge relating to medical records, including the creation, management, and legality of both the paper and electronic record, as well as filing systems utilized within the health care office.

Focus will also include assisting patients in obtaining health and community services, as well as supplies and inventory control. Prerequisite(s): Successful completion of CAH 102, CAH 105CL, COLL 102, and MAP 107. Co-requisites: MAP 182.

Additional Fee: 14.70

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
3832	Var	8:00AM-11:00AM	TWThF	11/05/18-12/12/18	21 108	Jones, Michel	HYBRID

### **MAP 209 EXTERNSHIP PREPARATION I**

Introduction of pharmacology math (with estimation components), administering oral and parental (intramuscular, subcutaneous, and intradermal) medications, performance of phlebotomy and microbiology while adhering to medical/surgical asepsis and universal/standard precautions. Also included are student demonstrations of patient flow and uploading immunizations into the college designated database.

Prerequisite(s): Successful completion of MAP's 121, 124, 147, 146, 179, 171, 182, and 184. This course must be taken the quarter immediately prior to Quarter 5 courses. If more than one quarter passes before beginning Quarter 5, students will have to repeat this course. Co-requisites: MAP's 164, 166, 173, and 177.

Additional Fee: 14.70

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
3882	Var	3:00PM-9:00PM	M	10/01/18-12/03/18	21 122	Gowan, Amy	HYBRID

# MEDICAL HISTOLOGY

## **HISTO 105 ORIENTATION TO HISTOLOGY LAB**

Introduces laboratory and chemical safety as well as universal precautions. Covers basic overview of standard histology instrumentation, quality control procedures, specimen accessioning, record keeping, and documentation. Explores laboratory and personnel certification requirements. Prerequisites: Successful completion of BIOL 118, CHEM& 110, and ENGL& 101. "" GL& 101.

Additional Fee: 104.80

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
5602	2 Cr	7:00AM-3:00PM	TWThF	09/27/18-10/02/18	21 232	Haggerty, Reb	ENHANCED

## **HISTO 110 HISTO TECHNOLOGY I**

Explores the theory and principles of fixation, processing, embedding, sectioning, and coverslipping of tissue sections. Prerequisites: Successful completion of BIOL 118, CHEM& 110, and ENGL& 101. "" GL& 101.

Additional Fee: 49.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
5612	10 Cr	7:00AM-3:00PM	TWThF	10/03/18-12/14/18	21 232	Haggerty, Reb	ENHANCED

## **HISTO 115 HISTO TECHNOLOGY LAB I**

Explores work in a simulated histology laboratory located on the campus. During this course, students will have hands-on training in basic grossing techniques, as well as in-depth training in processing, embedding, and cutting of tissue sections. Students will also learn to identify basic tissue structures using a light microscope. "" Co-requisites: HISTO 110.

Additional Fee: 43.25

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
5622	5 Cr	7:00AM-3:00PM	TWThF	10/03/18-12/14/18	21 232	Haggerty, Reb	ENHANCED

# MEDICAL LABORATORY TECHNICIAN

## **MLT 218 URINALYSIS**

Perform routine urine analysis, both macroscopic and microscopic, with attention to abnormal results and their possible cause. An overview of the anatomy and physiology of the excretory system and the normal and abnormal constituents of urine accompany laboratory practice. This course is presented fall quarter. Prerequisite(s): Successful completion of MLT 217.

Additional Fee: 42.75

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4802	3 Cr	9:00AM-4:00PM	TWTh	09/24/18-10/12/18	21 222	Colon Gabrie	HYBRID

## **MLT 220 CLINICAL BLOOD BANKING**

Experience a mock clinical training rotation in blood banking under the direction of a currently practicing blood banking specialist. Building on the procedures mastered in MLT 215, students will solve real-world blood banking problems, including identification of antibodies. Students will deal with daily inventory and

temperature record-keeping, perform quality assurance procedures, and receive and complete stat orders. This course is offered fall quarter. Prerequisite(s): Successful completion of MLT 215.

Additional Fee: 28.05

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4812	6 Cr	8:00AM-3:00PM	DAILY	10/15/18-10/26/18	21 222	Staff	

### **MLT 222 BODY FLUIDS**

Introduces the production, collection, and analyses of various body fluids, including cerebrospinal and synovial fluids. This course is offered on Wednesday afternoons during the fall quarter clinical phase. Prerequisite(s): Successful completion of MLT 205 and MLT 218.

Additional Fee: 37.85

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4832	2 Cr	1:00PM-4:00PM	W	10/31/18-12/12/18	21 222	Colon Gabrie	HYBRID

### **MLT 233 CLINICAL EXPERIENCE I**

This course begins the clinical phase of training in an affiliated laboratory. During this course, students will complete eight weeks of the experience (either five eight-hour days each week or four nine-hour days each week). Some clinical sites may assign 1-2 weeks of either swing or night shift as part of the clinical phase. In the next courses (MLT 237 and 239), they will continue training for eleven more weeks. Over the course of approximately 19-20 weeks of clinical training, students will rotate through all departments and perform current routine procedures by state-of-the-art methodologies. Appropriate amounts of time are spent working in each particular discipline; to accomplish this, some students rotate through two or three different laboratories. Staff of the affiliated laboratory directly supervise students; there is ongoing contact with the instructor in the form of monthly site visits and Wednesday afternoon class sessions. A report of 'No Record On File' related to crimes against persons from a background check is required for participation in this training. This course is offered fall quarter. Prerequisite(s): Successful completion of MLT 220.

Additional Fee: 14.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4822	10 Cr	ARRANGED	DAILY	10/29/18-12/12/18	ARR	Colon Gabrie	HYBRID

## **NON DESTRUCTIVE TESTING**

### **NDT 108 INTRODUCTION TO NDT**

Provides an overview of terms, definitions, and method overview of nondestructive testing. Methods include: eddy current liquid penetrant, magnetic particle, radiography, and ultrasonic testing.

Additional Fee: 69.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
0972	5 Cr	8:00AM-12:30PM	DAILY	09/24/18-12/14/18	SHC115	Gilmore, Mich	

### **NDT 113 MATERIALS AND PROCESS FOR NDT 1**

Explores the properties of materials, both metals and non-metals, and their applications in design and manufacturing. Introduction to Lean Concepts and applications.

Additional Fee: 69.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
0982	5 Cr	8:00AM-12:30PM	DAILY	09/24/18-12/14/18	SHC115	Gilmore, Mich	

### **NDT 120 VISUAL AND OPTICAL TESTING**

Students will learn to detect various discontinuances related to power plant industry, structural steel fabrication and construction industry aerospace industry, petro-chemical industry and manufacturing processes.

Additional Fee: 190.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
09G2	5 Cr	9:00AM-1:00PM	DAILY	09/24/18-12/12/18	SHC119	Evans, Dougla	HYBRID

### **NDT 121 MATERIALS AND PROCESS FOR NDT II**

Learn the major manufacturing processes used to fabricate parts, their possible discontinuities, and how to choose the appropriate NDT methods to inspect them.

Additional Fee: 69.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
0992	5 Cr	8:00AM-12:30PM	DAILY	09/24/18-12/14/18	SHC115	Gilmore, Mich	

### **NDT 125 MAGNETIC PARTICLE TESTING**

Learn proper magnetization techniques, evaluate indications, interpret accept/reject standards, and implement quality control techniques. Students develop and write procedures and inspect welds, castings, and machined components. The course includes extensive hands-on training in the magnetic particle lab.

Additional Fee: 190.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
09H2	5 Cr	9:00AM-1:00PM	DAILY	09/24/18-12/12/18	SHC119	Evans, Dougla	HYBRID

### **NDT 130 LIQUID PENETRANT TESTING**

Covers principles and practices of liquid penetrant inspection. Learn why and when to use various types of penetrant materials, and the proper techniques necessary for reliable inspection. The course addresses the evaluation of liquid penetrant indications, interpreting standards and specifications, and checking penetrant system quality. Students review fundamental liquid penetrant principles and techniques, develop and write procedures, and inspect welds, castings, forgings, and machined components. Parts are evaluated according to relevant codes and/or standards.

Additional Fee: 190.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
09J2	5 Cr	9:00AM-1:00PM	DAILY	09/24/18-12/12/18	SHC119	Evans, Dougla	HYBRID

### **NDT 160 RADIOGRAPHIC TESTING I**

Introduces radiographic principals, terms, definitions, and basic theory. Basics covered give an understanding of how an X-ray tube generates X-radiation and how the use of radiation will provide a finished product. Explores basic use of X-ray film, film speed, and film processing. Introduction to finished film quality and interpretation. Introduction to procedures using radiographic standards and codes. Introduces film interpretation for welds, castings, and nonmetallic materials, teaching accept-reject criteria.

Additional Fee: 190.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
09A2	5 Cr	8:00AM-12:30PM	DAILY	09/24/18-12/12/18	SHC114	Musson, Chuck	HYBRID

### **NDT 185 PHYSICS FOR NDT PROFESSIONALS**

Additional Fee: 45.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
0555	5 Cr	1:45PM-4:15PM	TTh	09/25/18-12/12/18	SHC114	Thompson, Jef	ENHANCED



## **NDT 190 RADIOGRAPHIC TESTING II**

Covers radiographic techniques commonly used in industrial testing. The student will make radiographs using X-ray machines and Iridium 192 isotope sources. Focuses on the safety aspect of working with radioisotopes and equipment used in isotope radiography.

Additional Fee: 190.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
09B2	5 Cr	8:00AM-12:30PM	DAILY	09/24/18-12/14/18	SHC114	Musson, Chuck	HYBRID

## **NDT 230 RADIOGRAPHIC TESTING III**

Covers radiographic techniques used by the American Society of Mechanical Engineers, American Welding Society Structural Welding Code, American Petroleum Institute, and other codes used in industry. The student will do radiographic inspection and evaluation to each code, computer enhanced real-time radiography, and Cobalt 60 isotope radiography.

Additional Fee: 69.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
09C2	5 Cr	8:00AM-12:30PM	DAILY	09/24/18-12/14/18	SHC114	Musson, Chuck	HYBRID

## **NDT 240 CAPSTONE PROJECT**

Designed to synthesize and integrate the knowledge gained in all previous courses and demonstrate the application of theory and practice through a project.

Additional Fee: 190.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
09D2	3 Cr	ARRANGED	DAILY	09/24/18-12/19/18	SHC114	Musson, Chuck	

## **NDT 250 NDT INTERNSHIP**

Provides on-the-job practical experience under the supervision of an employer. Instructor permission is required for the site choice. Prerequisite: Advanced standing and Instructor's permission.

Additional Fee: 190.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
09F2	Var	ARRANGED	DAILY	09/24/18-12/14/18	SHC114	Musson, Chuck	

# **NURSING ASSISTANT**

## **NAC 108 NURSING ASSISTANT THEORY**

The Nursing Assistant Certified program prepares students to take the state examination for nursing assistant certification licensure. All three courses in the program must be successfully completed for students to be eligible to take the state examination. This course provides an introduction to the role and responsibilities of being a nursing assistant and meets the theory requirements for Washington State Nursing Assistant training. Prerequisite(s): Ability to lift up to 50 pounds.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
NS02	5 Cr	8:00AM-2:30PM	TWTh	09/24/18-10/12/18	21 211	Purtteman, S	
NS42	5 Cr	1:30PM-5:30PM	MTWTh	09/24/18-12/12/18	21 214	Staff	
NS72	5 Cr	1:30PM-5:30PM	MTWTh	09/24/18-12/12/18	21 211	Wells-Clark,	
NST2	5 Cr	4:00PM-8:00PM	MTWTh	09/24/18-12/12/18	21 210	Mensonides, S	

## **NAC 111 NURSING SKILL FUNDAMENTALS**

This course covers instruction and practice of nursing assistant skills. Students will not be allowed to participate in the final skills exam unless attendance for all clinical hours has been fulfilled. Prerequisite(s): Documentation of required immunizations, ability to lift up to 50 pounds, and 'No Record On File' from the Washington State Patrol and DSHS. Successful completion of NAC 108.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
NS52	2 Cr	1:30PM-5:30PM	MTWTh	09/24/18-12/12/18	21 214	Staff	
NS82	2 Cr	1:30PM-5:30PM	MTWTh	09/24/18-12/12/18	21 211	Wells-Clark,	
NSF2	2 Cr	4:00PM-9:00PM	MTWTh	09/24/18-12/12/18	21 210	Mensonides, S	
NS12	2 Cr	8:00AM-2:00PM	MT	10/15/18-12/14/18	21 137	Sword, Yvette	
NS22	2 Cr	8:00AM-2:00PM	WTh	10/15/18-12/14/18	21 137	Purtteman, S	

## **NAC 114 UNIT BASED CLINICAL EXPERIENCE**

This course includes clinical experience in a long-term facility under the supervision of an instructor. Prerequisite(s): Documentations of required immunizations, ability to lift up to 50 pounds. Students must have 'No Record On File' related to crimes against children or vulnerable adults from the Washington State Patrol and DSHS. Successful completion of NAC 111.

Additional Fee: 14.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
NS32	2 Cr	ARRANGED	ARRANGED	09/24/18-12/12/18	ARR	Mensonides, S	
NS62	2 Cr	1:30PM-5:30PM	MTWTh	09/24/18-12/12/18	21 211	Staff	
NS92	2 Cr	1:30PM-5:30PM	MTWTh	09/24/18-12/12/18	21 211	Wells-Clark,	
NCS2	2 Cr	ARRANGED	ARRANGED	09/24/18-12/12/18	ARR	Mensonides, S	

# **NURSING ASSISTANT I-BEST**

## **NAC 108 NURSING ASSISTANT THEORY**

The Nursing Assistant Certified program prepares students to take the state examination for nursing assistant certification licensure. All three courses in the program must be successfully completed for students to be eligible to take the state examination. This course provides an introduction to the role and responsibilities of being a nursing assistant and meets the theory requirements for Washington State Nursing Assistant training. Prerequisite(s): Ability to lift up to 50 pounds.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
NS02	5 Cr	8:00AM-2:30PM	TWTh	09/24/18-10/12/18	21 211	Purtteman, S	
NS42	5 Cr	1:30PM-5:30PM	MTWTh	09/24/18-12/12/18	21 214	Staff	
NS72	5 Cr	1:30PM-5:30PM	MTWTh	09/24/18-12/12/18	21 211	Wells-Clark,	
NST2	5 Cr	4:00PM-8:00PM	MTWTh	09/24/18-12/12/18	21 210	Mensonides, S	

## **NAC 111 NURSING SKILL FUNDAMENTALS**

This course covers instruction and practice of nursing assistant skills. Students will not be allowed to participate in the final skills exam unless attendance for all clinical hours has been fulfilled. Prerequisite(s): Documentation of required immunizations, ability to lift up to 50 pounds, and 'No Record On File' from the Washington State Patrol and DSHS. Successful completion of NAC 108.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
NS52	2 Cr	1:30PM-5:30PM	MTWTh	09/24/18-12/12/18	21 214	Staff	

NS82	2 Cr	1:30PM-5:30PM	MTWTh	09/24/18-12/12/18	21 211	Wells-Clark,
NSF2	2 Cr	4:00PM-9:00PM	MTWTh	09/24/18-12/12/18	21 210	Mensonides, S
NS12	2 Cr	8:00AM-2:00PM	MT	10/15/18-12/14/18	21 137	Sword, Yvette
NS22	2 Cr	8:00AM-2:00PM	WTh	10/15/18-12/14/18	21 137	Purtteman, S

### **NAC 114 UNIT BASED CLINICAL EXPERIENCE**

This course includes clinical experience in a long-term facility under the supervision of an instructor. Prerequisite(s): Documentations of required immunizations, ability to lift up to 50 pounds. Students must have 'No Record On File' related to crimes against children or vulnerable adults from the Washington State Patrol and DSHS. Successful completion of NAC 111.

Additional Fee: 14.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
NS32	2 Cr	ARRANGED	ARRANGED	09/24/18-12/12/18	ARR	Mensonides, S	
NS62	2 Cr	1:30PM-5:30PM	MTWTh	09/24/18-12/12/18	21 211	Staff	
NS92	2 Cr	1:30PM-5:30PM	MTWTh	09/24/18-12/12/18	21 211	Wells-Clark,	
NSC2	2 Cr	ARRANGED	ARRANGED	09/24/18-12/12/18	ARR	Mensonides, S	

## **NURSING PRACTICAL-NURSING**

### **NURS 117 FUNDAMENTALS OF NURSING**

Explores the health care system and the profession of nursing, with emphasis on care with a diverse population of clients. Introduces the beginning practical nurse student to essential nursing concepts, such as therapeutic communication, infection control, patient safety, patient education, evidence-based practice, scope of practice, legal and ethical issues, principles of caring, promotion of comfort, and the nursing process. Prerequisite(s): Admission to Practical Nursing program.

Instructor Permission required.

Additional Fee: 116.25

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
80A2	4 Cr	8:00AM-12:00PM	M	09/24/18-12/10/18	21 210	Hernandez, Ka	HYBRID

### **NURS 120 MEDICAL-SURGICAL NURSING I**

Focuses on the use of the nursing process in care of clients with selected health disturbances. Emphasis is given to psychological, sociocultural, and developmental factors. Nursing interventions, pharmacological considerations, and client teaching are integrated. Prerequisite(s): Admission to Practical Nursing program.

Instructor Permission required.

Additional Fee: 95.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
80B2	3 Cr	8:00AM-11:00AM	T	09/25/18-12/11/18	21 210	Mclean, Chery	HYBRID

### **NURS 121 NURSING CLINICAL SKILLS & DATA COLLECTION I**

Students will demonstrate competence in selected nursing skills using simulation equipment and other nursing students as clients. Prerequisite(s): Admission to Practical Nursing program.

Instructor Permission required.

Additional Fee: 25.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
-------------	-------------	--------------	-------------	------------------------	-----------------	----------------	-----------------

**NURS 124 MENTAL HEALTH NURSING**

Focuses on the continuum between mental health and illness and the therapeutic nurse-client relationship. Selected mental disorders will be discussed, with emphasis on nursing interventions, common interdisciplinary treatments, and services available for clients in inpatient and outpatient settings.

Prerequisite(s): Admission to Practical Nursing program.

Instructor Permission required.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
80D2	3 Cr	1:00PM-4:00PM	M	09/24/18-12/10/18	21 210	Carver, Rober	HYBRID

**NURS 128 CONTEMPORARY MATERNITY NURSING**

Focuses on the care of childbearing women and their families through all stages of pregnancy and childbirth, as well as the first six weeks after birth. Prerequisite(s): Successful completion of NURS 125, NURS 126, NURS 130, and NURS 131.

Instructor Permission required.

Additional Fee: 116.25

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
8002	3 Cr	12:00PM-3:00PM	M	09/24/18-12/10/18	21 111	Anderson, Rii	HYBRID

**NURS 133 MEDICAL-SURGICAL NURSING III**

Focuses on the use of the nursing process in care of clients with selected health disturbances. Emphasis is given to psychological, sociocultural, and developmental factors. Pharmacologic and nutritional considerations and client teaching are integrated. Prerequisite(s): Successful completion of NURS 125, NURS 126, NURS 130, and NURS 131.

Instructor Permission required.

Additional Fee: 25.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
8012	4 Cr	7:00AM-11:00AM	M	09/24/18-12/10/18	21 211	Westberry, Ca	HYBRID

**NURS 145 MEDICAL-SURGICAL NURSING IV**

Using a physiological systems approach, this class focuses on implementation of the nursing process in care of a diverse population of clients with health disturbances. Prerequisite(s): Successful completion of NURS 128, NURS 133, NURS 149, and NURS 153.

Instructor Permission required.

Additional Fee: 116.25

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
8022	4 Cr	12:00PM-4:00PM	M	09/24/18-12/10/18	21 214	Westberry, Ca	HYBRID

**NURS 149 CLINICAL PRACTICUM I**

Provides an opportunity for students to provide care to clients in long-term care, acute, and community settings. Experience involves direct client care, nursing procedures, and administration of medications to diverse clients of every stage of life. Focuses on safe nursing practice, nursing process, communication, documentation, and client teaching. Prerequisite(s): Successful completion of NURS 125, NURS 126, NURS 130, and NURS 131.

Instructor Permission required.

Additional Fee: 14.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
-------------	-------------	--------------	-------------	------------------------	-----------------	----------------	-----------------

8032 5 Cr ARRANGED ARRANGED 09/24/18-12/14/18 ARR Rose-Bungay HYBRID

### **NURS 153 CLINICAL PRACTICUM II**

Provides an opportunity for students to provide care to clients in long-term care, acute, and community settings. Experience involves direct client care, nursing procedures, and administration of medications to diverse clients of every stage of life. Focuses on safe nursing practice, nursing process, communication, documentation, and client teaching. Prerequisite(s): Successful completion of NURS 125, NURS 126, NURS 130, and NURS 131.

Instructor Permission required.

Additional Fee: 14.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
8042	5 Cr	ARRANGED		ARRANGED 09/24/18-12/14/18	ARR	Heaton, Cheye	HYBRID

### **NURS 154 ISSUES & TRENDS IN NURSING II**

Prepares students for entry into nursing practice. Emphasis is on concepts of leadership, role of the practical nurse, and nursing laws governing practice. Career opportunities, preparation for licensure, and opportunities for further education in nursing are explored. Prerequisite(s): Successful completion of NURS 133, NURS 149 and NURS 153.

Instructor Permission required.

Additional Fee: 25.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
8052	2 Cr	9:00AM-11:00AM	M	09/24/18-12/10/18	21 214	Rose-Bungay	HYBRID

### **NURS 161 CLINICAL PRACTICUM III**

Provides an opportunity for students to provide care to clients in long-term care and acute and community settings. Experience involves direct client care, nursing procedures, and administration of medication to diverse clients of every stage of life. Focus is on safe nursing practices, nursing process, communication, and practice in providing complete care for two or more clients. Prerequisite(s): Successful completion of NURS 133, NURS 149 and NURS 153.

Instructor Permission required.

Additional Fee: 14.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
8062	4 Cr	ARRANGED		ARRANGED 09/24/18-12/14/18	ARR	Westberry, Ca	HYBRID

### **NURS 164 CLINICAL PRACTICUM IV**

Provides an opportunity for students to provide care to clients in long-term care and acute and community settings. Experience involves direct client care, nursing procedures, and administration of medication to diverse clients of every stage of life. Focus is on safe nursing practices, nursing process, communication, and practice in providing complete care for two or more clients. Prerequisite(s): Successful completion of NURS 133, NURS 149 and NURS 153.

Instructor Permission required.

Additional Fee: 14.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
8072	4 Cr	ARRANGED		ARRANGED 09/24/18-12/14/18	ARR	Westberry, Ca	HYBRID

## **NURSING RN-OPTION**

### **NURS 117 FUNDAMENTALS OF NURSING**

Explores the health care system and the profession of nursing, with emphasis on care with a diverse population of clients. Introduces the beginning practical nurse student to essential nursing concepts, such as therapeutic communication, infection control, patient safety, patient education, evidence-based practice, scope of practice, legal and ethical issues, principles of caring, promotion of comfort, and the nursing process. Prerequisite(s): Admission to Practical Nursing program.

Instructor Permission required.

Additional Fee: 116.25

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
80A2	4 Cr	8:00AM-12:00PM	M	09/24/18-12/10/18	21 210	Hernandez, Ka	HYBRID

### **NURS 120 MEDICAL-SURGICAL NURSING I**

Focuses on the use of the nursing process in care of clients with selected health disturbances. Emphasis is given to psychological, sociocultural, and developmental factors. Nursing interventions, pharmacological considerations, and client teaching are integrated. Prerequisite(s): Admission to Practical Nursing program.

Instructor Permission required.

Additional Fee: 95.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
80B2	3 Cr	8:00AM-11:00AM	T	09/25/18-12/11/18	21 210	McLean, Chery	HYBRID

### **NURS 121 NURSING CLINICAL SKILLS & DATA COLLECTION I**

Students will demonstrate competence in selected nursing skills using simulation equipment and other nursing students as clients. Prerequisite(s): Admission to Practical Nursing program.

Instructor Permission required.

Additional Fee: 25.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
80G2	Var	ARRANGED	ARRANGED	09/25/18-12/10/18	21 210	Hernandez, Ka	ENHANCED

### **NURS 124 MENTAL HEALTH NURSING**

Focuses on the continuum between mental health and illness and the therapeutic nurse-client relationship. Selected mental disorders will be discussed, with emphasis on nursing interventions, common interdisciplinary treatments, and services available for clients in inpatient and outpatient settings.

Prerequisite(s): Admission to Practical Nursing program.

Instructor Permission required.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
80D2	3 Cr	1:00PM-4:00PM	M	09/24/18-12/10/18	21 210	Carver, Rober	HYBRID

### **NURS 128 CONTEMPORARY MATERNITY NURSING**

Focuses on the care of childbearing women and their families through all stages of pregnancy and childbirth, as well as the first six weeks after birth. Prerequisite(s): Successful completion of NURS 125, NURS 126, NURS 130, and NURS 131.

Instructor Permission required.

Additional Fee: 116.25

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
8002	3 Cr	12:00PM-3:00PM	M	09/24/18-12/10/18	21 111	Anderson, Rii	HYBRID

### **NURS 133 MEDICAL-SURGICAL NURSING III**

Focuses on the use of the nursing process in care of clients with selected health disturbances. Emphasis is given to psychological, sociocultural, and developmental factors. Pharmacologic and nutritional considerations and client teaching are integrated. Prerequisite(s): Successful completion of NURS 125, NURS 126, NURS 130, and NURS 131.

Instructor Permission required.

Additional Fee: 25.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
8012	4 Cr	7:00AM-11:00AM	M	09/24/18-12/10/18	21 211	Westberry, Ca	HYBRID

### **NURS 145 MEDICAL-SURGICAL NURSING IV**

Using a physiological systems approach, this class focuses on implementation of the nursing process in care of a diverse population of clients with health disturbances. Prerequisite(s): Successful completion of NURS 128, NURS 133, NURS 149, and NURS 153.

Instructor Permission required.

Additional Fee: 116.25

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
8022	4 Cr	12:00PM-4:00PM	M	09/24/18-12/10/18	21 214	Westberry, Ca	HYBRID

### **NURS 149 CLINICAL PRACTICUM I**

Provides an opportunity for students to provide care to clients in long-term care, acute, and community settings. Experience involves direct client care, nursing procedures, and administration of medications to diverse clients of every stage of life. Focuses on safe nursing practice, nursing process, communication, documentation, and client teaching. Prerequisite(s): Successful completion of NURS 125, NURS 126, NURS 130, and NURS 131.

Instructor Permission required.

Additional Fee: 14.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
8032	5 Cr	ARRANGED	ARRANGED	09/24/18-12/14/18	ARR	Rose-Bungay	HYBRID

### **NURS 153 CLINICAL PRACTICUM II**

Provides an opportunity for students to provide care to clients in long-term care, acute, and community settings. Experience involves direct client care, nursing procedures, and administration of medications to diverse clients of every stage of life. Focuses on safe nursing practice, nursing process, communication, documentation, and client teaching. Prerequisite(s): Successful completion of NURS 125, NURS 126, NURS 130, and NURS 131.

Instructor Permission required.

Additional Fee: 14.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
8042	5 Cr	ARRANGED	ARRANGED	09/24/18-12/14/18	ARR	Heaton, Cheye	HYBRID

### **NURS 154 ISSUES & TRENDS IN NURSING II**

Prepares students for entry into nursing practice. Emphasis is on concepts of leadership, role of the practical nurse, and nursing laws governing practice. Career opportunities, preparation for licensure, and opportunities for further education in nursing are explored. Prerequisite(s): Successful completion of NURS 133, NURS 149 and NURS 153.

Instructor Permission required.

Additional Fee: 25.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
8052	2 Cr	9:00AM-11:00AM	M	09/24/18-12/10/18	21 214	Rose-Bungay	HYBRID

### **NURS 161 CLINICAL PRACTICUM III**

Provides an opportunity for students to provide care to clients in long-term care and acute and community settings. Experience involves direct client care, nursing procedures, and administration of medication to diverse clients of every stage of life. Focus is on safe nursing practices, nursing process, communication, and practice in providing complete care for two or more clients. Prerequisite(s): Successful completion of NURS 133, NURS 149 and NURS 153.

Instructor Permission required.

Additional Fee: 14.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
8062	4 Cr	ARRANGED	ARRANGED	09/24/18-12/14/18	ARR	Westberry, Ca	HYBRID

### **NURS 164 CLINICAL PRACTICUM IV**

Provides an opportunity for students to provide care to clients in long-term care and acute and community settings. Experience involves direct client care, nursing procedures, and administration of medication to diverse clients of every stage of life. Focus is on safe nursing practices, nursing process, communication, and practice in providing complete care for two or more clients. Prerequisite(s): Successful completion of NURS 133, NURS 149 and NURS 153.

Instructor Permission required.

Additional Fee: 14.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
8072	4 Cr	ARRANGED	ARRANGED	09/24/18-12/14/18	ARR	Westberry, Ca	HYBRID

## **NUTRITION**

### **NUTR& 101 NUTRITION**

An exploration of macronutrients (carbohydrates, proteins, and fats) and micronutrients (vitamins and minerals) and their role in growth, development, and optimal health throughout the lifespan. A study in the anatomy and physiology of the gastrointestinal tract and its relation to digestion, absorption, and metabolism of nutrients will be completed. Students will explore the role of nutrition in preventing nutrition-related diseases. A healthy dietary plan will be developed to assist students in making healthy changes in their nutritional status for themselves and other members of their community. Prerequisite(s): Successful completion of ENGL& 101.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
0553	5 Cr	12:00PM-2:30PM	F	09/28/18-12/07/18	21 107	Scott, Patric	HYBRID

## **OPERATIONS MANAGEMENT**

### **BUS 310 PROJECT MANAGEMENT**

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
BA52	5 Cr	ARRANGED	ARRANGED	09/24/18-12/12/18	19 122	Ostadfar, Ali	HYBRID

### **OPM 312 FORCASTING AND SYSTEM DESIGN**



<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
BA02	5 Cr	ARRANGED	ARRANGED	09/29/18-12/12/18	19 122	Ostadfar, Ali	HYBRID

### **OPM 411 FACILITY LAYOUT AND MATERIALS HANDLING**

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
BA32	5 Cr	ARRANGED	ARRANGED	09/24/18-12/12/18	19 122	Ostadfar, Ali	HYBRID

## **PASTRY ARTS**

### **BAKE 110 PATISSERIE I**

Provides students with the opportunity to attain fundamental cooking, time-management, and production competencies in the program-run bistro. These include making scones, muffins, and cookies; demonstrating how to read, write and follow a standard recipe; and understanding the basic principles of various cooking methods. Students will uphold a high level of professionalism. Instructor permission required.

Instructor Permission required.

Additional Fee: 146.80

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
3502	7 Cr	6:00AM-2:30PM	TWThF	09/25/18-12/12/18	23 313	Newman, Shell	

### **BAKE 113 CAKES I FILLINGS AND ICINGS**

Introduces students to mixing methods, their ingredients and their function in cake baking. Correct scaling, portioning, baking, and determining doneness of assorted cakes. Fillings and icings will be introduced in the presentation of basic cakes.

Instructor Permission required.

Additional Fee: 132.10

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
3512	Var	8:00AM-12:00PM	TTh	09/25/18-12/11/18	23 313	Newman, Shell	

### **BAKE 115 PATISSERIE II**

Provides students with the opportunity to refine fundamental cooking, time-management and production competencies in the program-run bistro. These include making scones, muffins, cookies, and cake; demonstrating how to read, write, and follow a standard recipe; and understanding the basic principles of various cooking methods. Students will uphold a high level of professionalism.

Instructor Permission required.

Additional Fee: 146.80

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
3552	7 Cr	6:00AM-2:30PM	TWThF	09/25/18-12/12/18	23 313	Newman, Shell	

### **BAKE 121 PATISSERIE III**

Introduces students to the experience of managing, training, and mentoring fellow classmates. Provides students with the opportunity to further refine fundamental cooking, time-management and production competencies in the program-run bistro. These include making scones, muffins, cookies, and cake; demonstrating how to read, write, and follow a standard recipe; and understanding the basic principles of various cooking methods. Students will uphold a high level of professionalism. Instructor permission required.

Instructor Permission required.

Additional Fee: 146.80

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
3562	7 Cr	6:00AM-2:30PM	TWThF	09/25/18-12/12/18	23 313	Newman, Shell	

### **BAKE 131 PIES, TARTS, CUSTARDS AND FILLINGS**

Introduces students to a variety of pie crusts and the preparation of assorted fruit fillings. Tarts, custards, and pastry cream will also be explored. Instructor permission required.

Instructor Permission required.

Additional Fee: 132.10

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
3522	Var	10:00AM-2:00PM	WF	09/26/18-12/12/18	23 313	Newman, Shell	

### **BAKE 134 QUICK BREADS, COOKIES, BROWNIES**

Introduces students to the ingredients and function in preparation of quick breads and cookies. Students will explore the assorted doughs, shapes, and baking and finishing methods. Instructor permission required.

Instructor Permission required.

Additional Fee: 127.20

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
3532	3 Cr	8:00AM-10:00AM	TWTh	09/25/18-12/12/18	23 313	Newman, Shell	

### **BAKE 162 RETAIL AND CUSTOMER SERVICE**

Familiarizes students with all aspects of retail service, cashiering and retail displays. Included are opening/closing procedures, retail layout and presentation, customer service, leadership, sanitation and safety, proper cash handling, and sales techniques. Instructor permission required.

Instructor Permission required.

Additional Fee: 146.80

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
3572	7 Cr	9:00AM-1:45PM	WThF	09/26/18-12/12/18	23 BSTR	Newman, Shell	

## **PHARMACY TECHNICIAN**

### **PT 121 INTRODUCTION TO PHARMACY & PHARMACY LAW**

Orients students to the work of pharmacy technicians and the context in which technicians' work is performed. Covers the study of pharmacy law, as it pertains to the practice of pharmacy in the state of Washington compared to the United States as a whole. Prerequisite(s): High school diploma or high school equivalency diploma. Computer literacy. Ability to speak, read, and write the English language. Successful completion of a college-level math course within the last five years (unless you have a bachelor's degree). Successful completion of a 5-credit Medical Terminology course. Successful completion of CAH 105 Computer Applications. All courses must be completed with a 'B' or above.

Additional Fee: 95.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
2702	5 Cr	ARRANGED	ARRANGED	09/24/18-12/14/18	ON LINE	Autry, Trisha	ONLINE

**PT 123 PHARMACOLOGY WITH DRUG NAMES PART I**

This course will begin the introduction of the top 200 commonly prescribed drugs in the United States. The drug action mechanisms, route of administration, and the effects on the body systems will be explored. Emphasis is placed on the uses, effects, and side effects of the major drug classes. Prerequisite(s): High school diploma or high school equivalency diploma. Ability to speak, read, and write the English language. Successful completion of a college-level math course within the last 5 years (unless they hold a bachelor's degree, then the 5-year rule does not apply), CAH 105 Computer Applications or equivalent, and a 5-credit Medical Terminology course. All courses required for certificate or degree must be completed with a grade of 'B' or better.

Additional Fee: 29.40

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
2712	6 Cr	10:00AM-12:00PM	M	09/24/18-12/10/18	21 226	Autry, Trisha	HYBRID

**PT 125 COMMUNITY PHARMACY WITH DOSAGE CALCULATIONS**

Introduces the community pharmacy experience. Customer service, keyboarding, prescription filling, and compounding will be explored. Math specific to the practice of pharmacy will be emphasized. Prerequisite(s): High school diploma or high school equivalency diploma. Ability to speak, read, and write the English language. Successful completion of a college-level math course within the last 5 years (unless they hold a bachelor's degree, then the 5-year rule does not apply), CAH 105 Computer Applications or equivalent, and a 5-credit Medical Terminology course. All courses required for certificate or degree must be completed with a grade of 'B' or better.

Additional Fee: 29.40

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
2722	6 Cr	12:30PM-2:30PM	M	09/24/18-12/10/18	21 226	Autry, Trisha	HYBRID

**PT 127 PHARMACY LAB #1**

Prescription filling with counting, keyboarding, packaging, stocking, and labeling will be covered. Emphasis will be on nonsterile compounding following USP 795 guidelines. Prerequisite(s): High school diploma or high school equivalency diploma. Ability to speak, read, and write the English language. Successful completion of a college-level math course within the last 5 years (unless they hold a bachelor's degree, then the 5-year rule does not apply), CAH 105 Computer Applications or equivalent, and a 5-credit Medical Terminology course. All courses required for certificate or degree must be completed with a grade of 'B' or better.

Additional Fee: 95.20

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
2732	2 Cr	8:00AM-12:00PM	Th	09/27/18-12/13/18	21 226	Lalli, Jillia	ENHANCED

**PT 163 COMMUNITY PHARMACY CLINICAL CAPSTONE**

Provides clinical training in a community pharmacy. Students will put into practice skills learned in the classroom by arranging an internship with a community pharmacy. Students and faculty collaborate in arranging community practice sites. Students are directly supervised by a pharmacist preceptor and their staff, with ongoing contact with the instructor in the form of site visits and seminars. Prerequisite(s): Successful completion of all in-class pharmacy technician courses (PT 121, PT 123, PT 125, PT 127, PT 132, PT 135, PT 148, and PT 154), with grades of 'B' or above in all courses.

Additional Fee: 156.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
2742	7 Cr	ARRANGED	ARRANGED	09/24/18-12/14/18	ARR	Autry, Trisha	ENHANCED

**PT 165 INSTITUTIONAL CLINICAL CAPSTONE**

Students will spend five-and-a-half weeks in an institutional pharmacy setting. While in this capstone

experience, students will perform the duties of an institutional pharmacy technician under the direct supervision of a pharmacist preceptor. There will be ongoing contact with the instructor in the form of site visits and seminars. Prerequisite(s): Successful completion of all in-class pharmacy technician courses (PT 121, PT 123, PT 125, PT 127, PT 132, PT 135, PT 148, and PT 154), with grades of 'B' or above in all courses.

Additional Fee: 14.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
2752	7 Cr	ARRANGED	ARRANGED	09/24/18-12/14/18	ARR	Lalli, Jillia	ENHANCED

## **POLITICAL SCIENCE**

### **POLS& 202 AMERICAN GOVERNMENT**

A survey of the structure and process of American politics and government, including the structure and function of the executive, legislative, and judicial branches, and the American political party system. Special emphasis is placed on the relationship between political culture, thought, institutions, and the debate over public policy. Prerequisite: ENGL 94 or appropriate placement.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
0576	5 Cr	1:00PM-2:45PM	MW	09/24/18-12/12/18	SHC107	Staff	HYBRID
0575	5 Cr	9:45AM-11:45AM	F	09/28/18-12/07/18	SHC107	Staff	HYBRID

## **PROFESSIONAL PILOT**

### **AVP 105 PRIVATE PILOT I**

Training in basic aircraft control, aircraft systems, airport procedures, and traffic pattern operations. Prerequisite(s): FAA Class II Medical with Student Pilot Certificate prior to the first day of class. Instructor permission only.

Instructor Permission required.

Additional Fee: 19.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
5102	4 Cr	12:00PM-3:00PM	DAILY	09/24/18-12/14/18	SHC105	Collins, Mars	ENHANCED

### **AVP 110 PRIVATE PILOT II**

Covers aircraft control, establishing and maintaining specific flight attitudes, and ground reference maneuvers. Prerequisite(s): Successful completion of AVP 105 or equivalent. Instructor permission only.

Instructor Permission required.

Additional Fee: 19.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
5112	4 Cr	12:00PM-3:00PM	DAILY	09/24/18-12/14/18	SHC105	Collins, Mars	ENHANCED

### **AVP 115 PRIVATE PILOT III**

Basic performance maneuvers, traffic pattern procedures, and takeoffs and landings. Upon successful completion, students will solo the aircraft. Prerequisite(s): Successful completion of AVP 110 or equivalent. Instructor permission only.

Instructor Permission required.

Additional Fee: 19.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
5122	4 Cr	12:00PM-3:00PM	DAILY	09/24/18-12/14/18	SHC105	Collins, Mars	ENHANCED

### **AVP 118 PRIVATE PILOT PRACTICAL TEST STANDARDS I**

Receive additional flight and ground training as required to meet pilot certification requirements.

Prerequisite(s): Solo endorsement and completion of a solo flight. Instructor permission only.

Instructor Permission required.

Additional Fee: 19.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
5132	4 Cr	12:00PM-3:00PM	DAILY	09/24/18-12/14/18	SHC105	Collins, Mars	ENHANCED

### **AVP 125 PRIVATE PILOT IV**

Introduces knowledge, skills and aeronautical experience necessary to successfully complete the navigation and cross-country flight portion of flight training. Prerequisite(s): Grade of 'C' or better in AVP 115 or equivalent. Pre-solo written exam must be completed with a passing grade. Instructor permission only.

Instructor Permission required.

Additional Fee: 19.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
5142	4 Cr	12:00PM-3:00PM	DAILY	09/24/18-12/14/18	SHC105	Collins, Mars	ENHANCED

### **AVP 130 PRIVATE PILOT V**

Provides the knowledge, skill, and aeronautical experience necessary to read and understand disseminated weather reports and forecasts. Meets the requirements for cross-country navigation and basic instrument flight. Prerequisite(s): Successful completion of AVP 125 or equivalent. Pre-solo written exam must be completed with a passing grade. Instructor permission only.

Instructor Permission required.

Additional Fee: 19.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
5152	4 Cr	12:00PM-3:00PM	DAILY	09/24/18-12/14/18	SHC105	Collins, Mars	ENHANCED

### **AVP 135 PRIVATE PILOT VI**

Gain the proficiency to meet the requirements necessary for FAA Private Pilot Certification with an Airplane Category and Single-Engine Class Rating. Prerequisite(s): Successful completion of AVP 130 or equivalent. Pre-solo written exam must be completed with a passing grade. Instructor permission only.

Instructor Permission required.

Additional Fee: 19.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
5162	4 Cr	12:00PM-3:00PM	DAILY	09/24/18-12/14/18	SHC105	Collins, Mars	ENHANCED

### **AVP 138 PRIVATE PILOT PRACTICAL TEST STANDARDS II**

Receive additional flight and ground training as required to meet pilot certification requirements.

Prerequisite(s): Solo endorsement and completion of a solo flight. Instructor permission only.

Instructor Permission required.

Additional Fee: 19.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
-------------	-------------	--------------	-------------	------------------------	-----------------	----------------	-----------------

5172 4 Cr 12:00PM-3:00PM DAILY 09/24/18-12/14/18 SHC105 Collins, Mars ENHANCED

**AVP 140 INSTRUMENT PILOT I**

Introduces skills that will establish a strong foundation in basic attitude instrument flying and basic instrument navigation. Prerequisite(s): FAA Private Pilot Certificate. Instructor permission only.

Instructor Permission required.

Additional Fee: 19.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
5182	4 Cr	8:00AM-11:00AM	DAILY	09/24/18-12/14/18	SHC105	Collins, Mars	ENHANCED

**AVP 145 INSTRUMENT PILOT II**

AVP 145 INSTRUMENT PILOT II 4CR Perform precision attitude instrument flight, including advanced navigation techniques and procedures. Prerequisite(s): Successful completion of AVP 140 or equivalent.

Instructor permission only.

Instructor Permission required.

Additional Fee: 19.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
5192	4 Cr	8:00AM-11:00AM	DAILY	09/24/18-12/14/18	SHC105	Collins, Mars	ENHANCED

**AVP 150 INSTRUMENT PILOT III**

Apply advanced navigation techniques and perform holding pattern entry procedures. Prerequisite(s): Successful completion of AVP 145 or equivalent. Instructor permission only.

Instructor Permission required.

Additional Fee: 19.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
51A2	4 Cr	8:00AM-11:00AM	DAILY	09/24/18-12/14/18	SHC105	Collins, Mars	ENHANCED

**AVP 152 INSTRUMENT PILOT PRACTICE III**

Receive additional flight and ground training as required to meet pilot certification requirements.

Prerequisite(s): Instructor permission only.

Instructor Permission required.

Additional Fee: 19.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
51B2	4 Cr	8:00AM-11:00AM	DAILY	09/24/18-12/14/18	SHC105	Collins, Mars	ENHANCED

**AVP 155 INSTRUMENT PILOT IV**

Perform holding patterns and instrument approach procedures. Prerequisite(s): Grade of 'C' or better in AVP 150 or equivalent. Instructor permission only.

Instructor Permission required.

Additional Fee: 19.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
51C2	4 Cr	8:00AM-11:00AM	DAILY	09/24/18-12/14/18	SHC105	Collins, Mars	ENHANCED

**AVP 160 INSTRUMENT PILOT V**

Perform cross-country flight using advanced navigation procedures. Use ATC communication procedures and conduct instrument departures, arrivals, and approaches. Prerequisite(s): Successful completion of AVP 155 or equivalent. Instructor permission only.

Instructor Permission required.

Additional Fee: 19.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
51D2	4 Cr	8:00AM-11:00AM	DAILY	09/24/18-12/14/18	SHC105	Collins, Mars	ENHANCED

### **AVP 170 INSTRUMENT PILOT VI**

Acquire the flight and aeronautical knowledge proficiency required for the issuance of the FAA Instrument-Airplane Rating. Prerequisite(s): Successful completion of AVP 160 or equivalent. Instructor permission only.

Instructor Permission required.

Additional Fee: 19.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
51F2	4 Cr	8:00AM-11:00AM	DAILY	09/24/18-12/14/18	SHC105	Collins, Mars	ENHANCED

### **AVP 172 INSTRUMENT PILOT PRACTICAL STANDARDS IV**

Receive additional flight and ground training as required to meet pilot certification requirements. Prerequisite(s): Instructor permission only.

Instructor Permission required.

Additional Fee: 19.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
51G2	4 Cr	8:00AM-11:00AM	DAILY	09/24/18-12/14/18	SHC105	Collins, Mars	ENHANCED

### **AVP 175 COMMERCIAL PILOT I**

Acquire initial VFR cross-country flight training. Pilotage, dead-reckoning, and radio navigation will be covered. Prerequisite(s): FAA Private Pilot Certificate, Instrument-Airplane Rating. Instructor permission only.

Instructor Permission required.

Additional Fee: 19.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
51H2	4 Cr	8:00AM-11:00AM	DAILY	09/24/18-12/14/18	SHC105	Collins, Mars	ENHANCED

### **AVP 180 COMMERCIAL PILOT II**

Receive additional VFR cross-country flight training. Additional flight training will encompass mountain flying techniques and local night flight operations. Prerequisite(s): Successful completion of AVP 175 or equivalent. Instructor permission only.

Instructor Permission required.

Additional Fee: 19.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
51J2	4 Cr	8:00AM-11:00AM	DAILY	09/24/18-12/14/18	SHC105	Collins, Mars	ENHANCED

### **AVP 185 COMMERCIAL PILOT III**

Receive final training in VFR cross-country flight and night operations. The cross-country flight hours required for Commercial Pilot Certification will be completed. Prerequisite(s): Successful completion of AVP 180 or equivalent. Instructor permission only.

Instructor Permission required.

Additional Fee: 19.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
-------------	-------------	--------------	-------------	------------------------	-----------------	----------------	-----------------

51K2 4 Cr 8:00AM-11:00AM DAILY 09/24/18-12/14/18 SHC105 Collins, Mars ENHANCED

### **AVP 190 AIRLINE MULTI-ENGINE CRM I**

Update your knowledge and skills in multi-engine and advanced avionics operations, systems, performance, instrument, and airline crew operations. Operate a multi-engine aircraft as a crew and log no less than 10 hours of multi-engine Pilot in Command time. Prerequisite(s): Must be at least 18 years of age and be able to read, speak, write, and understand the English language. Must comply with FAA licensing standards and possess an FAA Commercial multi-engine Certificate. Second-class FAA medical certificate required prior to the first day of class. Please contact instructor for details. Must have instructor permission. Instructor Permission required.

Additional Fee: 14.70

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
51AA	3 Cr	ARRANGED	DAILY	09/24/18-12/14/18	SHC105	Collins, Mars	ENHANCED

### **AVP 195 AIRLINE MULTI-ENGINE CRM II**

Update your knowledge and skills in multi-engine and advanced avionics operations, systems, performance, instrument, and airline crew operations. Operate a multi-engine aircraft as a crew and log no less than 20 hours of multi-engine Pilot in Command time. Prerequisite(s): Must be at least 18 years of age and be able to read, speak, write, and understand the English language. Must comply with FAA licensing standards and possess an FAA Commercial multi-engine Certificate. Second-class FAA medical certificate required prior to the first day of class. Please contact instructor for details. Must have instructor permission. Instructor Permission required.

Additional Fee: 14.70

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
51AB	3 Cr	ARRANGED	ARRANGED	09/24/18-12/14/18	SHC105	Collins, Mars	ENHANCED

### **AVP 210 COMMERCIAL PILOT IV**

Receive initial flight and ground training in high-performance Commercial Pilot Certification maneuvers. Flight maneuver training includes chandelles, lazy eights, steep power turns, and accuracy landings. Prerequisite(s): Grade of 'C' or better in AVP 185 or equivalent. Instructor permission only.

Instructor Permission required.

Additional Fee: 19.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
51L2	4 Cr	8:00AM-11:00AM	DAILY	09/24/18-12/14/18	SHC105	Collins, Mars	ENHANCED

### **AVP 215 COMMERCIAL PILOT V**

Gain additional aeronautical knowledge and flying skills necessary for advanced precision flight maneuvers. Prerequisite(s): Successful completion of AVP 210 or equivalent. Instructor permission only.

Instructor Permission required.

Additional Fee: 19.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
51M2	4 Cr	8:00AM-11:00AM	DAILY	09/24/18-12/14/18	SHC105	Collins, Mars	ENHANCED

### **AVP 218 MULTI-ENGINE INSTRUCTOR CERTIFICATION MEI**

Obtain and/or update knowledge and skills to meet Federal Aviation Administration multi-engine instructor requirements. Multi-engine operations, systems, performance, instrument, and aerodynamics will be examined. Emergency operations, including engine-out performance, aerodynamics, decision making, and instrument flight, will be studied. Prerequisite(s): Must be at least 18 years of age and be able to read, speak, write, and understand the English language. Must comply with FAA licensing standards and



possess an FAA private pilot certificate. Second-class FAA medical certificate required prior to the first day of class. Please contact instructor for details. The Transportation Security Administration (TSA) requires that U.S. citizens prove citizenship status before beginning flight training by providing a current passport or birth certificate and driver's license. Non-U.S. students must submit to a background and fingerprint check from the TSA prior to beginning training. Contact instructor for details. Must have instructor permission.

Instructor Permission required.

Additional Fee: 14.70

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
51AD	3 Cr	8:00AM-11:00AM	DAILY	09/24/18-12/14/18	SHC105	Collins, Mars	ENHANCED

### **AVP 220 COMMERCIAL PILOT VI**

Receive advanced training in all the required Commercial Pilot Certification maneuvers. Flying proficiency in these maneuvers will meet the requirements set forth in the FAA Practical Test Standards.

Prerequisite(s): Successful completion of AVP 215 or equivalent.

Instructor Permission required.

Additional Fee: 19.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
51N2	4 Cr	8:00AM-11:00AM	DAILY	09/24/18-12/14/18	SHC105	Collins, Mars	ENHANCED

### **AVP 223 COMMERCIAL PILOT PRACTICAL STANDARDS V**

Receive additional flight and ground training as required to meet pilot certification requirements.

Prerequisite(s): Instructor permission only.

Instructor Permission required.

Additional Fee: 19.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
51P2	4 Cr	8:00AM-11:00AM	DAILY	09/24/18-12/14/18	SHC105	Collins, Mars	ENHANCED

### **AVP 230 COMMERCIAL PILOT VII**

Operate a high-performance aircraft with retractable landing gear and constant-speed propeller. Basic flight maneuvers and aircraft systems will be covered. Prerequisite(s): Grade of 'C' or better in AVP 220 or equivalent. Instructor permission only.

Instructor Permission required.

Additional Fee: 19.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
51Q2	4 Cr	8:00AM-11:00AM	DAILY	09/24/18-12/14/18	SHC105	Collins, Mars	ENHANCED

### **AVP 235 COMMERCIAL PILOT VIII**

Operate a high-performance aircraft with retractable landing gear and constant-speed propeller. Advanced flight maneuvers, as well as emergency procedures, will be mastered. Prerequisite(s): Successful completion of AVP 230 or equivalent. Instructor permission only.

Instructor Permission required.

Additional Fee: 19.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
51R2	4 Cr	8:00AM-11:00AM	DAILY	09/24/18-12/14/18	SHC105	Collins, Mars	ENHANCED

### **AVP 240 COMMERCIAL PILOT IX**

Operate a high-performance aircraft with retractable landing gear and constant-speed propeller. Increase proficiency in advance flight maneuvers and emergency procedures. Obtain logbook endorsement for the

operation of High Performance Airplanes. Prerequisite(s): Successful completion of AVP 235 or equivalent. Instructor permission only.

Instructor Permission required.

Additional Fee: 19.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
51S2	4 Cr	8:00AM-11:00AM	DAILY	09/24/18-12/14/18	SHC105	Collins, Mars	ENHANCED

### **AVP 245 COMMERCIAL PILOT X**

Receive initial preparative training to increase aeronautical skills and experience to meet the requirements for the issuance of a Commercial Pilot Certificate. Prerequisite(s): Grade of 'C' or better in AVP 240 or equivalent. Instructor permission only.

Instructor Permission required.

Additional Fee: 19.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
51T2	4 Cr	8:00AM-11:00AM	DAILY	09/24/18-12/14/18	SHC105	Collins, Mars	ENHANCED

### **AVP 250 COMMERCIAL PILOT XI**

Receive additional preparative training to increase aeronautical skills and experience to meet the requirements for the issuance of a Commercial Pilot Certificate. Prerequisite(s): Successful completion of AVP 245 or equivalent. Instructor permission only.

Instructor Permission required.

Additional Fee: 19.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
51U2	4 Cr	8:00AM-11:00AM	DAILY	09/24/18-12/14/18	SHC105	Collins, Mars	ENHANCED

### **AVP 255 COMMERCIAL PILOT XII**

Receive final advanced preparative training to increase aeronautical skills and experience to meet the requirements for the issuance of a Commercial Pilot Certificate. Prerequisite(s): AVP 250 or equivalent. Instructor permission only.

Instructor Permission required.

Additional Fee: 19.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
51V2	4 Cr	8:00AM-11:00AM	DAILY	09/24/18-12/14/18	SHC105	Collins, Mars	ENHANCED

### **AVP 257 COMMERCIAL PILOT PRACTICAL STANDARDS VI**

Receive additional flight and ground training as required to meet pilot certification requirements. Prerequisite(s): Instructor permission only.

Instructor Permission required.

Additional Fee: 19.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
51W2	4 Cr	8:00AM-11:00AM	DAILY	09/24/18-12/14/18	SHC105	Collins, Mars	ENHANCED

### **AVP 260 CERTIFIED FLIGHT INSTRUCTOR I**

Receive initial training in teaching and learning theory, as well as overall review of commercial pilot aeronautical knowledge subject areas. Student will be trained to fly the aircraft from the right seat to Commercial Pilot Practical Test Standards. Prerequisite(s): FAA Commercial Pilot, Airplane Certificate and Instrument Airplane Rating. Instructor permission only.

Instructor Permission required.

Additional Fee: 19.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
51X2	4 Cr	8:00AM-11:00AM	DAILY	09/24/18-12/14/18	SHC105	Collins, Mars	

### **AVP 265 CERTIFIED FLIGHT INSTRUCTOR II**

Master proper teaching techniques from the right seat of the training aircraft. Develop proficiency in conducting aeronautical knowledge briefings. Successful completion will result when knowledge and proficiency meet and/or exceed FAA Practical Test Standards. Prerequisite(s): Successful completion of AVP 260 or equivalent. Instructor permission only.

Instructor Permission required.

Additional Fee: 19.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
51Y2	4 Cr	8:00AM-11:00AM	DAILY	09/24/18-12/14/18	SHC105	Collins, Mars	ENHANCED
51Z2	4 Cr	8:00AM-11:00AM	DAILY	09/24/18-12/14/18	SHC105	Collins, Mars	ENHANCED

### **AVP 271 MULTI-ENGINE CERTIFICATION**

Obtain and/or update their knowledge and skills to meet Federal Aviation Administration multi-engine requirements. Multi-engine operations, systems, performance, instrument, and aerodynamics will be examined. Emergency operations, including engine-out performance, aerodynamics, decision-making, and instrument flight, will be studied. Prerequisite(s): Must be at least 18 years of age and be able to read, speak, write, and understand the English language. Must comply with FAA licensing standards and possess an FAA private pilot certificate and Instrument rating. Second-class FAA medical certificate required prior to the first day of class. Please contact instructor for details. The Transportation Security Administration (TSA) requires that U.S. citizens prove citizenship status before beginning flight training by providing a current passport or birth certificate and driver's license. Non-U.S. students must submit to a background and fingerprint check from the TSA prior to beginning training. Contact instructor for details. Must have instructor permission.

Instructor Permission required.

Additional Fee: 14.70

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
51AC	3 Cr	8:00AM-11:00AM	DAILY	09/24/18-12/14/18	SHC105	Collins, Mars	ENHANCED

## **PSYCHOLOGY**

### **PSY 112 PSYCHOLOGY OF THE WORKPLACE**

Introduces general psychological principles and their application to the workplace emphasizing critical thinking with regard to self-awareness, interpersonal relations, motivation, and teamwork.

PREREQUISITE: COMPASS Reading Score of at least 81, equivalent SLEP score or successful completion of ENG 094.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
0556	5 Cr	ARRANGED	ARRANGED	09/24/18-12/12/18	ON LINE	Wheeler, Mike	ONLINE

### **PSYC& 100 GENERAL PSYCHOLOGY**

Surveys the knowledge and methods of the discipline of psychology. Presents a broad view of this subject and establishes the foundation for further study of the discipline. Emphasis will be placed on applying psychological knowledge to daily situations and on accessing and assessing information about behavior from a variety of sources. Skills in scientific reasoning and critical thinking will be developed.

Prerequisite(s): Appropriate Accuplacer reading/writing combined score of 277 or equivalent or successful completion of ENG 094.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
0557	Var	ARRANGED	ARRANGED	09/24/18-12/12/18	ON LINE	Wheeler, Mike	ONLINE
0558	5 Cr	1:00PM-1:50PM	DAILY	09/24/18-12/12/18	16 203	Wheeler, Mike	HYBRID
0559	5 Cr	11:00AM-11:50AM	DAILY	09/24/18-12/12/18	16 203	Wheeler, Mike	HYBRID
0560	Var	ARRANGED	ARRANGED	09/24/18-12/12/18	ON LINE	Wheeler, Mike	ONLINE
0561	5 Cr	1:00PM-2:45PM	MW	09/24/18-12/12/18	SHC115	Baylor, James	HYBRID
0562	Var	9:00AM-9:50AM	DAILY	09/24/18-12/12/18	16 203	Rose-Pennisi	HYBRID
0564	5 Cr	ARRANGED	ARRANGED	09/24/18-12/12/18	ON LINE	Rose-Pennisi	ONLINE
0563	5 Cr	9:45AM-11:45AM	TTh	09/25/18-12/11/18	SHC107	Baylor, James	HYBRID

### **PSYC& 200 LIFESPAN PSYCHOLOGY**

Introduces the milestones of human development from conception to death. It describes the physical, cognitive, and social growth of people, with special attention to various cultural contexts of development and the rich diversity of individuals. The content is drawn from research and theories in developmental psychology. Students are expected to integrate their personal experiences, knowledge of psychology, and their observations of human development with the content of this course. Implications for parenting, education, and social policy making will be discussed, so that students may apply course information to meaningful problems. Prerequisite(s): Successful completion of PSYC& 100.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
0565	5 Cr	ARRANGED	ARRANGED	09/24/18-12/12/18	ON LINE	Curry, Roger	ONLINE

### **PSYC& 220 ABNORMAL PSYCHOLOGY**

A study of the development and symptoms of mental health disorders. Topics covered include schizophrenia, mood disorders, anxiety disorders, personality disorders, psychosomatic disorders, sexual deviation, organic disorders, and the process of adjustment to stress. Attention is given to biosocial, cognitive, and cultural factors and their role in mental health. Prerequisite(s): Successful completion of PSYC& 100 or equivalent.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
0566	5 Cr	ARRANGED	ARRANGED	09/24/18-12/12/18	ON LINE	Sperry, David	ONLINE

## **PUBLIC SPEAKING**

### **CMST& 220 PUBLIC SPEAKING**

An Open Course Library class with inexpensive course materials. Assists students in developing real-world oral communication skills. Capture the dynamics of today's business realities and see the benefits of effective communication. Selection of topics, library research, analysis, oral style, use of visual aids, and preparation and delivery of various types of speeches and oral presentations are included. The Internet, email, community interaction, and other practical tools support student learning and increase public speaking skills. Emphasis is placed on principles of cultural diversity. Prerequisite(s): Appropriate Accuplacer (283 in reading) placement score or equivalent or successful completion of ENG 094.

Additional Fee: 24.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
0516	Var	2:00PM-4:20PM	MW	09/24/18-12/12/18	14 212	Copeland, Kri	HYBRID
0515	Var	9:00AM-11:20AM	TTh	09/25/18-12/12/18	14 212	Copeland, Kri	HYBRID

# **RESTAURANT OPERATIONS**

## **REST 107 KITCHEN AND DINING MANAGEMENT**

Students will learn how to communicate, lead, and manage different types of people. This entails how to hire and fire, inventory control, writing job descriptions, and creating performance reviews for both front and back of the house.

Instructor Permission required.

Additional Fee: 140.70

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
3272	3 Cr	7:00AM-8:30AM	WThF	09/25/18-12/11/18	31 100	Phillips, Jen	ENHANCED

## **REST 112 RESTAURANT DINING**

Familiarizes students with all aspects of running a casual-style dining room open to the public. Included are opening/closing procedures, table setup, customer-service techniques, leadership, sanitation, and safety procedures.

Instructor Permission required.

Additional Fee: 140.70

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
3262	7 Cr	8:30AM-11:30AM	WThF	09/24/18-12/11/18	31 100	Phillips, Jen	ENHANCED

## **REST 119 OPERATIONS MANAGEMENT**

Explore all aspects of running a successful operation in the hospitality industry. Students will learn how to create a positive work environment and apply team building and leadership skills. Students will also learn how to recruit new team members, establish hiring procedures, organize and implement systems and controls, and handle issues that arise on a daily basis. Students will also explore how to use Excel programs and identify the benefits of using Excel for restaurants.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
32D2	Var	ARRANGED	ARRANGED	09/26/18-12/12/18	ON LINE	Phillips, Jen	ONLINE

## **REST 122 FOOD SERVICE NUTRITION**

Learn the basics of food service nutrition for culinary professionals. This class will teach students about the biological process that occurs as you eat, what constitutes a healthy diet, and the structure and function of foods.

Instructor Permission required.

Additional Fee: 140.70

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
3282	4 Cr	9:00AM-1:45PM	WThF	09/26/18-10/19/18	31 100	Phillips, Jen	ENHANCED

## **REST 126 FINANCE AND ACCOUNTING**

Prepares students to understand, interpret, and analyze financial statements, budgeting, cash flow, and cash management. This gives students a chance to become familiar with financial statements prior to entering the work force so they have a working knowledge in this area.

Instructor Permission required.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
3292	4 Cr	8:30AM-11:30AM	MT	09/24/18-12/11/18	14 200B	Phillips, Jen	ENHANCED

### **REST 131 BUSINESS PLAN DEVELOPMENT**

Develop a restaurant concept from start to finish, including a hands-on look at how to develop a business plan to present to possible investors. Students will practice decision making and problem solving skills through creating and planning their own concept.

Instructor Permission required.

Additional Fee: 140.70

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
32A2	4 Cr	9:00AM-1:45PM	WThF	11/14/18-12/12/18	31 100	Phillips, Jen	ENHANCED

### **REST 133 BEVERAGE SERVICE**

Learn to set up and manage a beverage service operation successfully. Includes the history of bar service, beverage making ingredients and processes, and safety and sanitation in the bar.

Instructor Permission required.

Additional Fee: 140.70

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
32B2	4 Cr	7:00AM-9:00AM	MT	09/27/18-12/11/18	14 200B	Phillips, Jen	ENHANCED

### **REST 137 HOSPITALITY LAW**

Learn about laws affecting the hospitality industry on both a national and state level. This class will look at operating an establishment according to government regulations regarding sales, civil rights, liability, administration issues, and organization.

Instructor Permission required.

Additional Fee: 140.70

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
32C2	4 Cr	11:30AM-1:45PM	MT	09/24/18-12/11/18	14 200B	Phillips, Jen	ENHANCED

## **RETAIL**

### **RBM 105 FUNDAMENTALS OF ORGANIZATIONAL BEHAVIOR**

Emphasizes the human factor in business, the job of the supervisor, human relations, the art of leadership and converting policy into action, job analysis and performance, how and when to discipline, and effective supervising techniques for a diverse workplace.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
5782	3 Cr	ARRANGED	ARRANGED	09/24/18-12/12/18	ON LINE	Reyggers, Ryan	ONLINE

### **RBM 107 MARKETING**

Discover the methods and techniques of marketing research and the principles on which they are based. Includes the elements of the research process, evaluation, and effective presentation of findings.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
5792	3 Cr	ARRANGED	ARRANGED	09/24/18-12/12/18	ON LINE	Reyggers, Ryan	ONLINE

### **RBM 109 PRINCIPLE OF RETAILING**

Provides an introduction to retail management operations and merchandising. Covers retail target markets, trading area analysis and site selection, retail organization, buying, handling financial management of merchandise, development of retail image, customer service, and control of retail operations.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
57A2	3 Cr	ARRANGED	ARRANGED	09/24/18-12/12/18	ON LINE	Reygers, Ryan	ONLINE

### **RBM 111 BUSINESS COMMUNICATIONS**

Prepares students to communicate effectively in business settings by helping them develop superior written and oral communication skills. This course focuses on traditional and web-based forms of communication, as seen in business today, including email, letters, memos, reports, proposals, and presentations. Upon completion of Business Communications, students will know how to plan, write, and revise communications for a variety of audiences, both in print and online.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
5742	3 Cr	ARRANGED	ARRANGED	09/24/18-12/12/18	ON LINE	Reygers, Ryan	ONLINE

### **RBM 113 BUSINESS TECHNOLOGY FOR RETAIL APPLICATIONS**

Gain hands-on experience with the fundamentals of Microsoft Office, such as entering data, formatting, copying and pasting, basic formula construction, auto summing and more. This course will not only teach you the basics of Office but will also teach you the thinking and mechanics of how to apply it to your everyday retail problems.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
57B2	3 Cr	ARRANGED	ARRANGED	09/24/18-12/12/18	ON LINE	Reygers, Ryan	ONLINE

### **RBM 115 HUMAN RESOURCE MANAGEMENT**

Identify the role of human resource management, including its scope and responsibilities. Students will examine the principles and methods used in the recruitment, selection, placement, and training of employees. Major laws, trends, and issues related to human resource administration will be discussed.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
57C2	3 Cr	ARRANGED	ARRANGED	09/24/18-12/12/18	ON LINE	Reygers, Ryan	ONLINE

### **RBM 117 PRINCIPLES OF MANAGEMENT**

Learn essential skills for operating an effective business. Topics include employee productivity, project management, human resources and job design, forecasting, statistical process , and supply chain management.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
5772	3 Cr	ARRANGED	ARRANGED	09/24/18-12/12/18	ON LINE	Reygers, Ryan	ONLINE

### **RBM 119 FINANCIAL MANAGEMENT**

Introduces students to key financial management topics that give insight into the issues and challenges facing financial managers every day. Examines the latest financial developments, including a discussion on IPOs as a broad topic and the sale of stock. This course delivers the solid understanding of financial management that a business student needs for future success.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
57J2	3 Cr	ARRANGED	ARRANGED	09/24/18-12/12/18	ON LINE	Reygers, Ryan	ONLINE

### **RBM 123 CUSTOMER SERVICE STRATEGIES**

Introduces concepts of effective customer service, step-by-step suggestions for improving communication, and valuable references for delivering exceptional internal and external customer-service skills.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
-------------	-------------	--------------	-------------	------------------------	-----------------	----------------	-----------------

5752 5 Cr ARRANGED ARRANGED 09/24/18-12/12/18 ON LINE Reygers, Ryan ONLINE

### **RBM 129 SPEAKING FOR SUCCESS**

Theory and practice in composing and presenting oral business communications, both impromptu and prepared. Effective writing of business documents, methods of research, and presentation of oral class reports.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
5722	5 Cr	ARRANGED	ARRANGED	09/24/18-12/12/18	ON LINE	Reygers, Ryan	ONLINE

### **RBM 133 EFFECTIVE SELLING**

Nature and scope of selling and understanding buying motives, with strong emphasis on the selling process, prospecting, pre-approach, demonstration of products and services, and closing. While we use the traditional selling tenets as a foundation, this course adapts the concepts to the rapidly changing world of business in today's environment, including the use of Twitter, LinkedIn, Facebook, blogs, wikis, and other interactive ways of connecting with customers.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
57G2	5 Cr	ARRANGED	ARRANGED	09/24/18-12/12/18	ON LINE	Reygers, Ryan	ONLINE

### **RBM 159 E-COMMERCE PRINCIPLES & APPLICATIONS**

This introduction to the world of electronic commerce provides the tools necessary to understand and capitalize on the explosion of Internet-based business in today's economy. Study the technologies used to create new opportunities for business-to-business and business-to-customer services. Social Media Marketing will give you a practical approach to developing successful social media marketing plans. A proven eight-step social-media planning model provides students with a cumulative learning experience, showing them how to construct social media strategies that achieve desired marketing goals.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
5762	4 Cr	ARRANGED	ARRANGED	09/24/18-12/12/18	ON LINE	Reygers, Ryan	ONLINE

### **RBM 162 SOCIAL MEDIA MARKETING**

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
57H2	5 Cr	ARRANGED	ARRANGED	09/24/18-12/12/18	ON LINE	Reygers, Ryan	ONLINE

### **RBM 164 MARKETING COMMUNICATIONS**

Developed with real-world examples to illustrate the concepts of promotion and gives students a glimpse into industry and the challenges it faces. This course will introduce concepts on developing a target market, how to find your target market, and how to effectively build relationships through research and branding to the company's core customer.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
57K2	5 Cr	ARRANGED	ARRANGED	09/24/18-12/12/18	ON LINE	Reygers, Ryan	ONLINE

### **RBM 166 SUCCESSFUL CAREER DEVELOPMENT**

Participate in self-analysis, goal setting, career exploration, personal appearance and grooming; resume writing, application letter writing, and the employment interview; and communication of ideas, interviewing practice, and other techniques of successful career development.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
57D2	5 Cr	ARRANGED	ARRANGED	09/24/18-12/12/18	ON LINE	Reygers, Ryan	ONLINE

### **RBM 168 CONSUMER BEHAVIOR**

Introduction to the core concepts and applications of contemporary consumer behavior as it is practiced



today with the latest consumer behavior statistics, examples, and trends. This course emphasizes how the recent recession, green marketing, and natural disasters all impact contemporary consumer behavior.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
57L2	5 Cr	ARRANGED	ARRANGED	09/24/18-12/12/18	ON LINE	Reygers, Ryan	ONLINE

### **RBM 201 INTRODUCTION TO BUSINESS**

A professional class designed to give an understanding of business etiquette. Put your best professional foot forward with Introduction to Business Etiquette. This course covers all the important issues and concepts without confusing students with excess material. This class covers basic digital etiquette and provides information on how to create and maintain business relationships.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
57F2	5 Cr	ARRANGED	ARRANGED	09/24/18-12/12/18	ON LINE	Reygers, Ryan	ONLINE

## **SOCIOLOGY**

### **SOC& 101 INTRODUCTION TO SOCIOLOGY**

Focuses on understanding and applying the sociological perspective, which stresses the importance of the impact of social forces external to the individual in shaping people's lives and experiences. Topics studied will include socialization, social interaction, culture, groups, social structure, deviance, social inequality, social class, race, gender, institutions (political, economic, educational, and family), collective behavior, and social change. Students will be asked to learn the basic concepts, theories, and perspectives of sociology; to see how these operate in terms of social processes, structures, and events; and to apply this knowledge to better understand the social world. Prerequisite(s): Appropriate Accuplacer reading/writing combined score of 277 or equivalent or successful completion of ENG 094.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
0567	Var	ARRANGED	ARRANGED	09/24/18-12/12/18	ON LINE	Rose-Pennisi	ONLINE
0568	5 Cr	11:00AM-11:50AM	DAILY	09/24/18-12/12/18	14 208	Rose-Pennisi	HYBRID
0569	Var	ARRANGED	ARRANGED	09/24/18-12/12/18	ON LINE	Baylor, James	ONLINE
0570	Var	10:00AM-10:50AM	DAILY	09/24/18-12/12/18	16 203	Baylor, James	HYBRID
0571	5 Cr	7:30AM-9:30AM	DAILY	09/24/18-12/12/18	SHC105	Staff	HYBRID

## **SURGICAL TECHNOLOGY**

### **SURG 110 INTRODUCTION TO THE SURGICAL LAB**

Additional Fee: 16.20

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4002	3 Cr	11:30AM-2:00PM	TTh	09/25/18-12/12/18	21 120	Clark, Keza	ENHANCED

### **SURG 115 INTRODUCTION TO THE SURGICAL ENVIRONMENT**

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4012	2 Cr	ARRANGED	ARRANGED	09/24/18-12/12/18	ON LINE	Clark, Keza	ONLINE

## **SURG 120 CARE OF THE SURGICAL PATIENT I**

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4022	2 Cr	ARRANGED	ARRANGED	09/24/18-12/12/18	ON LINE	Clark, Keza	ONLINE

## **SURG 128 PHARMACOLOGY & ANESTHESIA**

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4062	3 Cr	ARRANGED	ARRANGED	09/24/18-12/12/18	ON LINE	Clark, Keza	ONLINE

## **SURG 153 SURGICAL LAB II**

Additional Fee: 16.20

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4032	5 Cr	ARRANGED	ARRANGED	09/25/18-12/12/18	21 120	Clark, Keza	ENHANCED

## **SURG 154 OPERATING ROOM THEORY II**

Additional Fee: 24.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4042	5 Cr	10:30AM-3:30PM	WF	09/25/18-12/12/18	21 120	Clark, Keza	HYBRID

## **SURG 160 CARE OF THE SURGICAL PATIENT III**

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4052	2 Cr	ARRANGED	ARRANGED	09/24/18-12/12/18	ON LINE	Clark, Keza	ONLINE

# **UPHOLSTERY**

## **UPH 102 INTRODUCTION TO UPHOLSTERY I**

INTRODUCES TOOLS AND MATERIALS COMMONLY USED IN THE UPHOLSTERY TRADE. PROVIDES HANDS-ON EXPERIENCE IN PROPER USE OF VARIOUS HAND AND POWER TOOLS AND THEIR MAINTENANCE AND STORAGE. STUDENTS WILL LEARN HOW TO SET UP EFFICIENT WORK STATION. PREREQUISITE: INSTRUCTOR PERMISSION

Instructor Permission required.

Additional Fee: 45.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4302	5 Cr	9:00AM-3:00PM	DAILY	09/24/18-12/12/18	03 402	Glasgow, J	

## **UPH 104 INTRODUCTION TO UPHOLSTERY II**

INTRODUCES TYPES OF FOAM AND FABRICS ALONG WITH THEIR CHARACTERISTICS AND USES IN UPHOLSTERY. EQUIPS STUDENTS WITH SKILLS NEEDED TO DESIGN PATTERNS, MEASURE AND CALCULATE MATERIALS NEEDED FOR AN UPHOLSTERY PROJECT. CONTINUATION OF SKILLS LEARNED IN INTRODUCTION TO UPHOLSTERY I. PREREQUISITE: INSTRUCTOR PERMISSION

Instructor Permission required.

Additional Fee: 45.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4332	5 Cr	9:00AM-3:00PM	DAILY	09/24/18-12/12/18	03	Glasgow, J	

**UPH 106 BASIC SEWING I**

COVERS THE SET UP AND THREADING OF COMMERCIAL UPHOLSTERY SEWING MACHINES. PROVIDES A FOUNDATION FOR STUDENTS TO LEARN TO SEW ON COMMERCIAL MACHINES WITH CONTROL AND ACCURACY. PREREQUISITE: INSTRUCTOR PERMISSION

Instructor Permission required.

Additional Fee: 45.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4312	5 Cr	9:00AM-3:00PM	DAILY	09/24/18-12/12/18	03	Glasgow, J	

**UPH 108 BASIC SEWING II**

FOCUSES ON BUILDING A FOUNDATION OF SEWING SKILLS. PROVIDES INSTRUCTION INTRODUCTION TO TROUBLESHOOTING AND MAINTENANCE OF COMMERCIAL SEWING MACHINES. INTRODUCES STUDENTS TO VARIOUS MACHINE STITCHES AND THEIR USES. CONTINUATION OF SKILLS LEARNED IN BASIC SEWING I. PREREQUISITE: INSTRUCTOR PERMISSION

Instructor Permission required.

Additional Fee: 45.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4322	5 Cr	9:00AM-3:00PM	DAILY	09/24/18-12/12/18	03	Glasgow, J	

**UPH 110 INTERMEDIATE SEWING I**

Instructor Permission required.

Additional Fee: 45.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4342	5 Cr	9:00AM-3:00PM	DAILY	09/24/18-12/12/18	03 402	Glasgow, J	

**UPH 112 INTERMEDIATE SEWING II**

Instructor Permission required.

Additional Fee: 45.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4352	5 Cr	9:00AM-3:00PM	DAILY	09/24/18-12/12/18	03 402	Glasgow, J	

**UPH 114 ADVANCED SEWING I**

Instructor Permission required.

Additional Fee: 45.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4362	5 Cr	9:00AM-3:00PM	DAILY	09/24/18-12/12/18	03 402	Glasgow, J	

**UPH 116 ADVANCED SEWING II**

Instructor Permission required.

Additional Fee: 45.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4372	5 Cr	9:00AM-3:00PM	DAILY	09/24/18-12/12/18	03 402	Glasgow, J	

# WELDING TECHNOLOGY

## **WLD 106 WELDING THEORY**

Introduces the tools and equipment used in welding. Includes safety considerations, electrical principles, welding quality and technical orientation for select welding and cutting processes. Instructor Permission required.

Instructor Permission required.

Additional Fee: 113.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
9802	5 Cr	7:00AM-12:00PM	DAILY	09/24/18-12/12/18	25 403	Meyers, David	
98AP	5 Cr	5:00PM-10:00PM	DAILY	09/24/18-12/12/18	25 403	Tonyuk, Dmitr	
98Q2	5 Cr	12:00PM-5:00PM	DAILY	09/24/18-12/12/18	25 403	Agostino, Jus	

## **WLD 110 THERMAL CUTTING AND GOUGING**

Develops the knowledge and skill for manual and machine-guided oxyfuel cutting, manual plasma arc cutting, and carbon arc gouging. Corequisite: WLD 105.

Instructor Permission required.

Additional Fee: 113.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
9812	3 Cr	7:00AM-12:00PM	DAILY	09/24/18-12/12/18	25 400	Meyers, David	
98AQ	3 Cr	5:00PM-10:00PM	DAILY	09/24/18-12/12/18	25 400	Tonyuk, Dmitr	
98R2	3 Cr	12:00PM-5:00PM	DAILY	09/24/18-12/12/18	25 400	Agostino, Jus	

## **WLD 112 OXYACETYLENE WELDING AND BRAZING**

Develops the knowledge and skill for welding, brazing, and braze welding various joint designs using oxyacetylene equipment. Corequisite: WLD 105.

Instructor Permission required.

Additional Fee: 113.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
9822	4 Cr	7:00AM-12:00PM	DAILY	09/24/18-12/12/18	25 400	Meyers, David	
98AR	4 Cr	5:00PM-10:00PM	DAILY	09/24/18-12/12/18	25 400	Tonyuk, Dmitr	
98S2	4 Cr	12:00PM-5:00PM	DAILY	09/24/18-12/12/18	25 400	Agostino, Jus	

## **WLD 117 SMAW I**

Introduces the shielded metal arc welding (SMAW) process with emphasis on skill development using deep penetrating electrodes in the flat and horizontal positions. , deep penetrating electrodes by welding various joints in the vertical and overhead positions. Prerequisite(s): Completion of or concurrent enrollment in WLD 105.

Instructor Permission required.

Additional Fee: 113.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
9832	7 Cr	7:00AM-12:00PM	DAILY	09/24/18-12/12/18	25 400	Meyers, David	
98AS	7 Cr	5:00PM-10:00PM	DAILY	09/24/18-12/12/18	25 400	Tonyuk, Dmitr	
98T2	7 Cr	12:00PM-5:00PM	DAILY	09/24/18-12/12/18	25 400	Agostino, Jus	

### **WLD 123 SMAW II**

Develops understanding of the applications and techniques for using low-hydrogen SMAW electrodes in the flat and horizontal positions. , low-hydrogen electrodes by welding various joint designs in the vertical and overhead positions. Prerequisite(s): Successful completion of WLD 105.

Instructor Permission required.

Additional Fee: 113.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
9852	7 Cr	7:00AM-12:00PM	DAILY	09/24/18-12/12/18	25 400	Meyers, David	
98AU	7 Cr	5:00PM-10:00PM	DAILY	09/24/18-12/12/18	25 400	Tonyuk, Dmitr	
98V2	7 Cr	12:00PM-5:00PM	DAILY	09/24/18-12/12/18	25 400	Agostino, Jus	
98W2	7 Cr	12:00PM-5:00PM	DAILY	09/24/18-12/12/18	25 400	Agostino, Jus	

### **WLD 143 MATERIALS AND TESTING**

Covers welding processes, electrode selection, welder qualifications and welding inspection Instructor Permission required.

Instructor Permission required.

Additional Fee: 113.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
9842	5 Cr	7:00AM-12:00PM	DAILY	09/24/18-12/12/18	25 403	Meyers, David	
98AT	5 Cr	5:00PM-10:00PM	DAILY	09/24/18-12/12/18	25 403	Tonyuk, Dmitr	
98U2	5 Cr	12:00PM-5:00PM	DAILY	09/24/18-12/12/18	25 403	Agostino, Jus	

### **WLD 144 PRINT READING FOR WELDERS**

Develops the ability to interpret prints used in welding and fabrication. Introduction to sketching, lines, views, visualization, dimensioning, applied math, and welding symbols. Prerequisite: Successful completion of WLD 105.

Instructor Permission required.

Additional Fee: 113.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
9872	5 Cr	7:00AM-12:00PM	DAILY	09/24/18-12/12/18	25 403	Meyers, David	
98AW	5 Cr	5:00PM-10:00PM	DAILY	09/24/18-12/12/18	25 403	Tonyuk, Dmitr	
98X2	5 Cr	12:00PM-5:00PM	DAILY	09/24/18-12/12/18	25 403	Agostino, Jus	

### **WLD 152 GAS METAL ARC WELDING**

Develops the ability to use the gas metal arc welding process to join carbon steels and aluminum with various joint designs in all positions. Prerequisite: Completion of or concurrent enrollment in WLD 142.

Instructor Permission required.

Additional Fee: 113.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
9862	7 Cr	7:00AM-12:00PM	DAILY	09/24/18-12/12/18	25 400	Meyers, David	
98AV	7 Cr	5:00PM-10:00PM	DAILY	09/24/18-12/12/18	25 400	Tonyuk, Dmitr	
98BP	7 Cr	12:00PM-5:00PM	DAILY	09/24/18-12/12/18	25 400	Agostino	

### **WLD 157 METALLURGY**

Examines metal identification and classification, mechanical properties, crystalline structures, heat treatments, and metallurgical effects of welding. Prerequisite: WLD 142.

Instructor Permission required.

Additional Fee: 113.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
98A2	5 Cr	7:00AM-12:00PM	DAILY	09/24/18-12/12/18	25 403	Meyers, David	
98AA	5 Cr	12:00PM-5:00PM	DAILY	09/24/18-12/12/18	25 403	Agostino, Jus	
98AZ	5 Cr	5:00PM-10:00PM	DAILY	09/24/18-12/12/18	25 403	Tonyuk, Dmitr	

### **WLD 168 FLUX CORED ARC WELDING I**

Develops the ability to use gas-shielded flux cored arc welding electrodes to join carbon steels with various joint designs in all positions. Prerequisite: Completion of or concurrent enrollment in WLD 142.

Instructor Permission required.

Additional Fee: 113.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
9882	7 Cr	7:00AM-12:00PM	DAILY	09/24/18-12/12/18	25 400	Meyers, David	
98AX	7 Cr	5:00PM-10:00PM	DAILY	09/24/18-12/12/18	25 400	Tonyuk, Dmitr	
98Y2	7 Cr	12:00PM-5:00PM	DAILY	09/24/18-12/12/18	25 400	Agostino, Jus	

### **WLD 210 GAS TUNGSTEN ARC WELDING I**

Develops the ability to use the gas tungsten arc welding process to join carbon and stainless steels with various joint designs in all positions. Prerequisite: Completion of, or concurrent enrollment in, WLD 142.

Instructor Permission required.

Additional Fee: 113.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
9892	7 Cr	7:00AM-12:00PM	DAILY	09/24/18-12/12/18	25 400	Meyers, David	
98AY	7 Cr	5:00PM-10:00PM	DAILY	09/24/18-12/12/18	25 400	Tonyuk, Dmitr	
98Z2	7 Cr	12:00PM-5:00PM	DAILY	09/24/18-12/12/18	25 400	Agostino, Jus	

### **WLD 211 ADVANCED GTAW I**

Develops the welding in all positions for Gas Tungsten Arc Welding for a variety of light gauge steel and aluminum joint designs. Prerequisite(s): Successful completion of WLD 210 or instructor permission.

Instructor Permission required.

Additional Fee: 113.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
98AC	7 Cr	12:00PM-5:00PM	DAILY	09/24/18-12/12/18	25 400	Agostino, Jus	
98BC	7 Cr	5:00PM-10:00PM	DAILY	09/24/18-12/12/18	25 400	Tonyuk, Dmitr	
98C2	7 Cr	7:00AM-12:00PM	DAILY	09/24/18-12/12/18	25 400	Meyers, David	

### **WLD 214 ADVANCED GTAW II**

WLD 214 ADVANCED GAS TUNGSTEN ARC WELDING II 7CR Develops the welding techniques in all positions for Gas Tungsten Arc Welding for a variety of light gauge exotic metals joint designs.

Prerequisite(s): Completion of, or concurrent enrollment in, WLD 211.

Instructor Permission required.

Additional Fee: 113.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
98AD	7 Cr	12:00PM-5:00PM	DAILY	09/24/18-12/12/18	25 400	Agostino, Jus	
98BD	7 Cr	5:00PM-10:00PM	DAILY	09/24/18-12/12/18	25 400	Tonyuk, Dmitr	
98D2	7 Cr	7:00AM-12:00PM	DAILY	09/24/18-12/12/18	25 400	Meyers, David	

### **WLD 217 SPECIAL PROJECTS**

Develops skills in print reading, project planning, layout, distortion control fixturing, and other fabrication techniques. Students will have the opportunity to apply knowledge to projects of personal interest and/or as assigned. Prerequisite(s): Advanced standing with instructor's permission.

Instructor Permission required.

Additional Fee: 113.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
98AM	Var	ARRANGED	ARRANGED	09/24/18-12/12/18	25 400	Agostino, Jus	
98BM	Var	ARRANGED	ARRANGED	09/24/18-12/12/18	25 400	Tonyuk, Dmitr	
98M2	Var	ARRANGED	ARRANGED	09/24/18-12/12/18	25 400	Meyers, David	

### **WLD 219 SPECIAL PROJECTS II**

Develops additional skills in print reading, project planning, layout, distortion control, and other fabrication techniques. Students will have the opportunity to apply knowledge to projects of personal interest and/or assigned. Prerequisite(s): Advanced standing with instructor's permission.

Instructor Permission required.

Additional Fee: 113.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
98AN	Var	ARRANGED	ARRANGED	09/24/18-12/12/18	25 400	Agostino, Jus	
98BN	Var	ARRANGED	ARRANGED	09/24/18-12/12/18	25 400	Tonyuk, Dmitr	
98N2	Var	ARRANGED	ARRANGED	09/24/18-12/12/18	25 400	Meyers, David	

### **WLD 223 GTAW PIPE**

Develops welding techniques required to make sound GTAW welds on steel plate and pipe in the 2G, 3G, 4G, & 5G positions. Prerequisite(s): Successful completion of WLD 142 or instructor permission.

Instructor Permission required.

Additional Fee: 113.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
98AG	7 Cr	12:00PM-5:00PM	DAILY	09/24/18-12/12/18	25 400	Agostino, Jus	
98BG	7 Cr	5:00PM-10:00PM	DAILY	09/24/18-12/12/18	25 400	Tonyuk, Dmitr	
98G2	7 Cr	7:00AM-12:00PM	DAILY	09/24/18-12/12/18	25 400	Meyers, David	

### **WLD 225 SMAW PIPE WELDING**

Develop welding techniques required to make sound SMAW welds using E6010 and E7018 electrodes on steel pipe in the 2G & 5G positions. Prerequisite(s): Successful completion of WLD 142 or instructor permission.

Instructor Permission required.

Additional Fee: 113.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
98AH	7 Cr	12:00PM-5:00PM	DAILY	09/24/18-12/12/18	25 400	Agostino, Jus	
98BH	7 Cr	5:00PM-10:00PM	DAILY	09/24/18-12/12/18	25 400	Tonyuk, Dmitr	
98H2	7 Cr	7:00AM-12:00PM	DAILY	09/24/18-12/12/18	25 400	Meyers, David	

### **WLD 227 ADVANCED PIPE**

Develops welding techniques required to make sound welds on pipe in a variety of joints and positions. Prerequisite(s): Successful completion of WLD 142 or instructor permission.

Instructor Permission required.

Additional Fee: 113.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
98AJ	7 Cr	12:00PM-5:00PM	DAILY	09/24/18-12/12/18	25 400	Agostino, Jus	
98BJ	7 Cr	5:00PM-10:00PM	DAILY	09/24/18-12/12/18	25 400	Tonyuk, Dmitr	
98J2	7 Cr	7:00AM-12:00PM	DAILY	09/24/18-12/12/18	25 400	Meyers, David	

### **WLD 229 METAL-FORMING**

Develops techniques, tools, and equipment necessary to form metal into a variant of shapes.

Prerequisite(s): Successful completion of WLD 157 Metallurgy or instructor permission.

Instructor Permission required.

Additional Fee: 113.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
98AL	7 Cr	12:00PM-5:00PM	DAILY	09/24/18-12/12/18	25 400	Agostino, Jus	
98BL	7 Cr	5:00PM-10:00PM	DAILY	09/24/18-12/12/18	25 400	Tonyuk, Dmitr	
98L2	7 Cr	7:00AM-12:00PM	DAILY	09/24/18-12/12/18	25 400	Meyers, David	

### **WLD 233 LAYOUT AND FABRICATION**

Covers Layout and fabrication techniques required for building production welding projects from a plan.

Project planning, layout methods, fixturing, distortion control, and the use of tools and equipment for metal fabrication are also covered. Instructor Permission required.

Instructor Permission required.

Additional Fee: 113.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
98AK	7 Cr	12:00PM-5:00PM	DAILY	09/24/18-12/12/18	25 400	Agostino, Jus	
98BK	7 Cr	5:00PM-10:00PM	DAILY	09/24/18-12/12/18	25 400	Tonyuk, Dmitr	
98K2	7 Cr	7:00AM-12:00PM	DAILY	09/24/18-12/12/18	25 400	Meyers, David	

### **WLD 235 WABO TEST PREP**

Develops skills in preparation for employer, Washington Association of Building Officials (WABO) or similar welder qualification tests in the 3G,4G, 5G and 6G positions using a variety of welding processes Instructor Permission required.

Instructor Permission required.

Additional Fee: 113.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
98AF	7 Cr	12:00PM-5:00PM	DAILY	09/24/18-12/12/18	25 400	Agostino, Jus	
98BF	7 Cr	5:00PM-10:00PM	DAILY	09/24/18-12/12/18	25 400	Tonyuk, Dmitr	
98F2	7 Cr	7:00AM-12:00PM	DAILY	09/24/18-12/12/18	25 400	Meyers, David	

### **WLD 238 FCAW II**

Covers welding techniques for self-shielding Flux Core Arc Welding for a variety of joint designs in all positions Instructor Permission required.

Instructor Permission required.

Additional Fee: 113.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
98AB	7 Cr	12:00PM-5:00PM	DAILY	09/24/18-12/12/18	25 400	Agostino, Jus	
98B2	7 Cr	7:00AM-12:00PM	DAILY	09/24/18-12/12/18	25 400	Meyers, David	
98BB	7 Cr	5:00PM-10:00PM	DAILY	09/24/18-12/12/18	25 400	Tonyuk, Dmitr	



