



# Winter Quarter 2017 Class Schedule

Updated 12/13/2016 3:12:58 PM

## 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.

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>
4993	5 Cr	11:00AM-11:50AM	MTTh	01/03/17-03/20/17	11 127	Dorum, Lucy	[HYBRID]
49F3	5 Cr	ARRANGED	ARRANGED	01/03/17-03/20/17	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.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
49K3	5 Cr	ARRANGED	ARRANGED	01/03/17-03/20/17	ON LINE	Cooke, Suzann	[ONLINE]

### **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>
49H3	5 Cr	ARRANGED	ARRANGED	01/03/17-03/20/17	ON LINE	Dorum, Lucy	[ONLINE]
49B3	5 Cr	9:00AM-10:50AM	MW	01/04/17-03/20/17	11 144	Dorum, Lucy	

### **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): COMPASS score equivalent to completion of MAT 082 and ENG 082 (68 in reading, 33 in writing) 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>
49C3	2 Cr	ARRANGED		ARRANGED 01/03/17-03/20/17	ON LINE	Dorum, Lucy	[ONLINE]

### **ACTG 141 QUICKBOOKS I**

Covers principal applications, basic operating commands, and functions necessary to use QuickBooks automated accounting software. Basic applications include, but are not limited to, vendor, customer, and banking activities, and creating files. Prerequisite(s): Successful completion of ACTG 110 and ACTG 135 or instructor approval.

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>
4903	2 Cr	9:00AM-10:50AM	MW	01/04/17-02/08/17	11 127	Cooke, Suzann	

### **ACTG 143 QUICKBOOKS II**

Covers continued applications for vendor and customer activities using QuickBooks automated accounting software. Also covers starting up companies, inventory management, sales tax, payroll, and working with balance sheet accounts. Prerequisite(s): Successful completion of ACTG 115 and ACTG 141 or instructor approval.

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>
4913	3 Cr	9:00AM-10:50AM	MW	02/13/17-03/15/17	11 127	Cooke, Suzann	

### **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.

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>
4983	5 Cr	9:00AM-10:50AM	TTh	01/03/17-03/20/17	11 144	Dorum, Lucy	[HYBRID]
49D3	5 Cr	ARRANGED	ARRANGED	01/03/17-03/20/17	ON LINE	Dorum, Lucy	[ONLINE]

### **ACTG 211 PRINCIPLES OF ACCOUNTING I LAB**

Provides instructional activities that support material covered in ACCT& 201 in a supervised lab environment. Concurrent with ACCT& 201 or instructor approval. Prerequisite(s): Successful completion of ACTG 135 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>
49G3	2 Cr	ARRANGED	ARRANGED	01/03/17-03/15/17	ON LINE	Dorum, Lucy	[ONLINE]
49A3	2 Cr	11:00AM-11:50AM	W	01/04/17-03/15/17	11 127	Dorum, Lucy	

### **ACTG 213 PRINCIPLES OF ACCOUNTING III LAB**

Provides instructional activities that support material covered in ACCT& 203 in a supervised lab environment. Concurrent with ACCT& 203. Prerequisite(s): Successful completion of ACTG 211 and 135 or instructor approval. Co-requisites: ACCT& 203.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
49J3	3 Cr	ARRANGED	ARRANGED	01/03/17-03/15/17	ON LINE	Dorum, Lucy	[ONLINE]

### **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>
49M3	5 Cr	ARRANGED	ARRANGED	01/03/17-03/20/17	ON LINE	Cooke, Suzann	[ONLINE]

### **ACTG 236 ACCOUNTING SPREADSHEETS II**

Provides advanced instruction in electronic worksheets, various business spreadsheets, 3D worksheets, and various functions, including the conditional function and accounting schedules. Prerequisite(s): Successful completion of ACTG 135 or instructor approval.

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>
4923	3 Cr	10:00AM-10:50AM	TTh	01/03/17-03/07/17	11 127	Cooke, Suzann	

### **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>
4943	5 Cr	12:00PM-2:00PM	MTWTh	01/09/17-03/15/17	11 144	Cooke, Suzann	[ENHANCED]

### **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>
4953	5 Cr	12:00PM-2:00PM	MTWTh	01/09/17-03/15/17	11 144	Cooke, Suzann	[ENHANCED]

### **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 and includes a weekly seminar component. 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>
4963	5 Cr	12:00PM-2:00PM	MTWTh	01/09/17-03/15/17	11 144	Cooke, Suzann	

### **ACTG 295 INDIVIDUAL INCOME TAX PREPARATION**

Provides on-the-job practical 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 and includes a weekly seminar component. Prerequisite(s): Successful completion of ACTG 291 and 293 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>
4973	5 Cr	12:00PM-2:00PM	MTWTh	01/03/17-03/15/17	11 144	Cooke, Suzann	

## **BUS& 201 BUSINESS LAW**

Introduces the Uniform Commercial Code and Business Laws pertaining to business contracts, sales, bailments, commercial paper, employment, agency, business organization, insurance and property.

Prerequisite: ACTG 115 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>
4933	5 Cr	11:00AM-11:50AM	MTWTh	01/03/17-03/20/17	11 144	Cooke, Suzann	[HYBRID]
49L3	5 Cr	ARRANGED	ARRANGED	01/03/17-03/20/17	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: 50.00

<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>
0903	5 Cr	4:00PM-8:15PM	MTWTh	01/03/17-03/22/17	SHC115	Mensonides, J	
0933	5 Cr	0:RM-0:M	DAILY	01/03/17-03/22/17	SHC107	Perse, Britta	[HYBRID]

## **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: 50.00

<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>
0913	4 Cr	4:00PM-8:15PM	MTWTh	01/03/17-03/22/17	SHC115	Mensonides, J	
0943	4 Cr	0:RM-0:M	DAILY	01/03/17-03/22/17	SHC107	Perse, Britta	[HYBRID]

## **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: 50.00

<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>
0923	5 Cr	4:00PM-8:15PM	MTWTh	01/03/17-03/22/17	SHC115	Mensonides, J	
0953	5 Cr	0:RM-0:M	DAILY	01/03/17-03/22/17	SHC107	Perse, Britta	[HYBRID]

## **ACM 120 COMPOSITE FABRICATION**

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, ACM 115 (GPA 2.0 or better).

Instructor Permission required.

Additional Fee: 50.00

<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>
0963	4 Cr	4:00PM-8:15PM	DAILY	01/03/17-03/22/17	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, ACM 115 (GPA 2.0 or better).

Instructor Permission required.

Additional Fee: 50.00

<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>
0973	4 Cr	4:00PM-8:15PM	DAILY	01/03/17-03/22/17	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).

Instructor Permission required.

Additional Fee: 50.00

<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>
0983	4 Cr	4:00PM-8:15PM	DAILY	01/03/17-03/22/17	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.

Instructor Permission required.

Additional Fee: 50.00

<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>
0993	3 Cr	4:00PM-8:15PM	DAILY	01/03/17-03/22/17	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: Appropriate COMPASS (81 in reading, 77 in writing) placement score 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	5 Cr	2:00PM-4:30PM	MW	01/03/17-03/22/17	17 240	Wilson, Jaime	[HYBRID]

### **ASL& 122 AMERICAN SIGN LANGUAGE II**

Learn to communicate both expressively and receptively in American Sign Language in basic conversation situations. Prerequisite: ASL& 121.

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>
0503	5 Cr	4:30PM-7:00PM	MW	01/04/17-03/22/17	17 240	Wilson, Jaime	[HYBRID]

# **ARCHITECTURAL ENGINEERING DESIGN**

## **ARC 123 CIVIL ENGINEERING SITE DESIGN**

Overview of site design and planning, lot, subdivision and road layouts, contouring, slopes and profiles, and zoning regulations. Prerequisites: ARC 121

Additional Fee: 51.50

<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>
6303	5 Cr	10:00AM-11:50AM	MW	01/04/17-03/22/17	19 203	Bushnell, Pop	[ENHANCED]

## **ARC 141 ARCHITECTURAL REPORTING I**

Includes investigation, research, and report preparation on materials, methods, and trends in construction. Prerequisites: English reading with comprehension, composition, and basic verbal skills, and computer keyboarding skills of 30 wpm.

Additional Fee: 41.70

<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>
6313	3 Cr	8:00AM-9:50AM	MW	02/08/17-03/22/17	19 201	Bushnell, Pop	[ENHANCED]
633C	3 Cr	9:00AM-9:50AM	MW	02/08/17-03/20/17	19 203	Bushnell, Pop	[ENHANCED]

## **ARC 152 CONSTRUCTION MATERIAL RESEARCH I**

Requires research of manufacturer and supplier information, and assembly of Construction Specifications Institute (CSI) materials Divisions 1 through 14. Prerequisite(s): English reading with comprehension, composition, and basic verbal skills.

Additional Fee: 36.80

<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>
6323	2 Cr	8:00AM-9:50AM	MW	01/04/17-02/06/17	19 201	Bushnell, Pop	[ENHANCED]
633T	2 Cr	9:00AM-9:50AM	MW	01/04/17-02/06/17	19 203	Bushnell, Pop	[ENHANCED]

## **ARC 173 DRAFTING TECHNOLOGIES II**

Basic drafting skills for civil engineering and profiles for subdivisions. Includes basic design drawings necessary for residential design, and also includes printing completed drawings on industry-standard hardware. Prerequisites: ARC 171

Additional Fee: 51.50

<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>
6333	5 Cr	10:00AM-11:50AM	TTh	01/03/17-03/21/17	19 203	Lunceford, Ce	[ENHANCED]
633R	5 Cr	10:00AM-10:50AM	TTh	01/03/17-03/21/17	19 203	Lunceford, Ce	[ENHANCED]

## **ARC 191 ENGINEERING MECHANICS OF MATERIALS**

Analysis of loading conditions and selection of wood member sizes and materials for house design. Material stress and strain are computed. Prerequisite(s): English reading with comprehension, composition, and basic verbal skills and basic keyboarding skills (30 WPM), or instructor permission.

Additional Fee: 51.50

<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>
6343	5 Cr	1:00PM-1:50PM	MW	01/03/17-03/22/17	19 201	Bushnell, Pop	[ENHANCED]

### **ARC 221     DETAILING AND LIGHT COMMERCIAL**

Overview of specialized floor plan types, framing, sections, detailing, and specifications for light-framing and commercial buildings. Prerequisites: ARC 125

Additional Fee: 51.50

<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>
6353	5 Cr	8:00AM-9:50AM	T	01/03/17-03/21/17	19 201	Bushnell, Pop	[ENHANCED]

### **ARC 225     DESIGN PROJECT II**

Project management and design of an intermediate architectural drafting project. Project conforms to regulatory codes, hypothetical client needs, and established schedules. Producing a complete set of computer-drafted and engineered construction drawings. Give effective oral reports of progress.

Prerequisites: ARC 223, ARC 281

Additional Fee: 51.50

<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>
6363	5 Cr	2:00PM-3:50PM	W	01/04/17-03/22/17	19 203	Lunceford, Ce	[ENHANCED]

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

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

Instructor Permission required.

Additional Fee: 51.50

<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>
6373	5 Cr	ARRANGED	ARRANGED	01/03/17-03/22/17	19 203	Bushnell, Pop	

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

Complete Special Design Project as assigned by the instructor to aid in Realistic Training. 231, ARC 281. Instructor Permission required.

Additional Fee: 51.50

<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>
6383	5 Cr	1:00PM-2:50PM	Th	01/05/17-03/16/17	19 201	Bushnell, Pop	

### **ARC 231     COST ESTIMATING I**

Engine inspection consists of detailed work with FAA regulations, types of inspections, conformance to type certificate data sheets and major alterations, airworthiness directives, and maintenance record entries. Completion of a computerized, detailed cost estimate for one-story house with site development.

Additional Fee: 41.70

<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>
6393	3 Cr	1:00PM-1:50PM	T	01/03/17-03/14/17	19 201	Bushnell, Pop	[ENHANCED]

### **ARC 237     ENERGY ANALYSIS**

Covers using prescriptive performance for compliance with current energy code. Lab hours arranged. Prerequisites: ARC 223, MAT 105

Additional Fee: 31.90

<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>
63A3	1 Cr	2:00PM-2:50PM	Th	01/05/17-02/02/17	19 203	Lunceford, Ce	[ENHANCED]

### **ARC 281     INTERMEDIATE AUTOCAD**

Use Windows based AutoCAD applications to produce intermediate design and production drawings and details, and saving and printing drawings on industry standard hardware. Prerequisites: ARC 181

Instructor Permission required.

Additional Fee: 51.50

<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>
633M	5 Cr	1:00PM-1:50PM	TTh	01/03/17-03/21/17	19 203	Lunceford, Ce	[ENHANCED]
63B3	5 Cr	12:00PM-1:50PM	TTh	01/03/17-03/21/17	19 203	Lunceford, Ce	[ENHANCED]

### **ARC 284 APPLIED AUTOCAD**

Use Windows based AutoCAD applications to a complete set of design and production drawings and details for a design project, and saving and printing drawings on industry standard hardware. Lab hours arranged. Prerequisites: ARC 281

Additional Fee: 51.50

<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>
63C3	5 Cr	12:00PM-1:50PM	MW	01/04/17-03/22/17	19 203	Lunceford, Ce	[ENHANCED]

## **ARCHITECTURAL CAD DRAFTING (I-BEST)**

### **ARC 123 CIVIL ENGINEERING SITE DESIGN**

Overview of site design and planning, lot, subdivision and road layouts, contouring, slopes and profiles, and zoning regulations. Prerequisites: ARC 121

Additional Fee: 51.50

<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>
6303	5 Cr	10:00AM-11:50AM	MW	01/04/17-03/22/17	19 203	Bushnell, Pop	[ENHANCED]

### **ARC 141 ARCHITECTURAL REPORTING I**

Includes investigation, research, and report preparation on materials, methods, and trends in construction. Prerequisites: English reading with comprehension, composition, and basic verbal skills, and computer keyboarding skills of 30 wpm.

Additional Fee: 41.70

<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>
6313	3 Cr	8:00AM-9:50AM	MW	02/08/17-03/22/17	19 201	Bushnell, Pop	[ENHANCED]
633C	3 Cr	9:00AM-9:50AM	MW	02/08/17-03/20/17	19 203	Bushnell, Pop	[ENHANCED]

### **ARC 152 CONSTRUCTION MATERIAL RESEARCH I**

Requires research of manufacturer and supplier information, and assembly of Construction Specifications Institute (CSI) materials Divisions 1 through 14. Prerequisite(s): English reading with comprehension, composition, and basic verbal skills.

Additional Fee: 36.80

<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>
6323	2 Cr	8:00AM-9:50AM	MW	01/04/17-02/06/17	19 201	Bushnell, Pop	[ENHANCED]
633T	2 Cr	9:00AM-9:50AM	MW	01/04/17-02/06/17	19 203	Bushnell, Pop	[ENHANCED]

### **ARC 173 DRAFTING TECHNOLOGIES II**

Basic drafting skills for civil engineering and profiles for subdivisions. Includes basic design drawings necessary for residential design, and also includes printing completed drawings on industry-standard hardware. Prerequisites: ARC 171

Additional Fee: 51.50

<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>
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6333	5 Cr	10:00AM-11:50AM	TTh	01/03/17-03/21/17	19 203	Lunceford, Ce	[ENHANCED]
633R	5 Cr	10:00AM-10:50AM	TTh	01/03/17-03/21/17	19 203	Lunceford, Ce	[ENHANCED]

### ARC 191 ENGINEERING MECHANICS OF MATERIALS

Analysis of loading conditions and selection of wood member sizes and materials for house design. Material stress and strain are computed. Prerequisite(s): English reading with comprehension, composition, and basic verbal skills and basic keyboarding skills (30 WPM), or instructor permission.

Additional Fee: 51.50

<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>
6343	5 Cr	1:00PM-1:50PM	MW	01/03/17-03/22/17	19 201	Bushnell, Pop	[ENHANCED]

### ARC 221 DETAILING AND LIGHT COMMERCIAL

Overview of specialized floor plan types, framing, sections, detailing, and specifications for light-framing and commercial buildings. Prerequisites: ARC 125

Additional Fee: 51.50

<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>
6353	5 Cr	8:00AM-9:50AM	T	01/03/17-03/21/17	19 201	Bushnell, Pop	[ENHANCED]

### ARC 225 DESIGN PROJECT II

Project management and design of an intermediate architectural drafting project. Project conforms to regulatory codes, hypothetical client needs, and established schedules. Producing a complete set of computer-drafted and engineered construction drawings. Give effective oral reports of progress.

Prerequisites: ARC 223, ARC 281

Additional Fee: 51.50

<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>
6363	5 Cr	2:00PM-3:50PM	W	01/04/17-03/22/17	19 203	Lunceford, Ce	[ENHANCED]

### ARC 227 SPECIAL INTERN PROJECT

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

Instructor Permission required.

Additional Fee: 51.50

<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>
6373	5 Cr	ARRANGED	ARRANGED	01/03/17-03/22/17	19 203	Bushnell, Pop	

### ARC 229 SPECIAL DESIGN PROJECT

Complete Special Design Project as assigned by the instructor to aid in Realistic Training. 231, ARC 281. Instructor Permission required.

Additional Fee: 51.50

<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>
6383	5 Cr	1:00PM-2:50PM	Th	01/05/17-03/16/17	19 201	Bushnell, Pop	

### ARC 231 COST ESTIMATING I

Engine inspection consists of detailed work with FAA regulations, types of inspections, conformance to type certificate data sheets and major alterations, airworthiness directives, and maintenance record entries. Completion of a computerized, detailed cost estimate for one-story house with site development.

Additional Fee: 41.70

<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>
6393	3 Cr	1:00PM-1:50PM	T	01/03/17-03/14/17	19 201	Bushnell, Pop	[ENHANCED]

### ARC 237 ENERGY ANALYSIS

Covers using prescriptive performance for compliance with current energy code. Lab hours arranged.

Prerequisites: ARC 223, MAT 105

Additional Fee: 31.90

<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>
63A3	1 Cr	2:00PM-2:50PM	Th	01/05/17-02/02/17	19 203	Lunceford, Ce	[ENHANCED]

### **ARC 281 INTERMEDIATE AUTOCAD**

Use Windows based AutoCAD applications to produce intermediate design and production drawings and details, and saving and printing drawings on industry standard hardware. Prerequisites: ARC 181

Instructor Permission required.

Additional Fee: 51.50

<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>
633M	5 Cr	1:00PM-1:50PM	TTh	01/03/17-03/21/17	19 203	Lunceford, Ce	[ENHANCED]
63B3	5 Cr	12:00PM-1:50PM	TTh	01/03/17-03/21/17	19 203	Lunceford, Ce	[ENHANCED]

### **ARC 284 APPLIED AUTOCAD**

Use Windows based AutoCAD applications to a complete set of design and production drawings and details for a design project, and saving and printing drawings on industry standard hardware. Lab hours arranged. Prerequisites: ARC 281

Additional Fee: 51.50

<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>
63C3	5 Cr	12:00PM-1:50PM	MW	01/04/17-03/22/17	19 203	Lunceford, Ce	[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 COMPASS (81 in reading) score; 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	01/03/17-03/22/17	ON LINE	Rendal, Cami	[ONLINE]

## **AUTOMOTIVE COLLISION TECHNICIAN**

### **IAUT 102 INTRODUCTION TO AUTOMOTIVE ELECTRICAL**

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>
9603	3 Cr	7:30AM-1:50PM	DAILY	01/03/17-03/22/17	03 402	Tolson, Lesli	
9653	3 Cr	2:30PM-8:50PM	DAILY	01/03/17-03/22/17	03 402	Staff	

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

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>
9613	4 Cr	7:30AM-1:50PM	DAILY	01/03/17-03/22/17	03 402	Tolson, Lesli	
9663	4 Cr	2:30PM-8:50PM	DAILY	01/03/17-03/22/17	03 402	Staff	
96J3	4 Cr	3:00PM-6:00PM	MWF	01/03/17-03/22/17	03 402	Tolson, Lesli	

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

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>
9623	5 Cr	7:30AM-1:50PM	DAILY	01/03/17-03/22/17	03 402	Tolson, Lesli	
9673	5 Cr	2:30PM-8:50PM	DAILY	01/03/17-03/22/17	03 402	Staff	

## **IAUT 130 AUTOMOTIVE HVAC**

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>
9633	2 Cr	7:30AM-1:50PM	DAILY	01/03/17-03/22/17	03 402	Tolson, Lesli	
9683	2 Cr	2:30PM-8:50PM	DAILY	01/03/17-03/22/17	03 402	Staff	
96K3	2 Cr	3:00PM-6:00PM	MWF	01/03/17-03/22/17	03 402	Tolson, Lesli	

## **IAUT 139 BASIC AUTOMOTIVE WELDING**

Additional Fee: 50.00

<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>
9643	5 Cr	7:30AM-1:50PM	DAILY	01/03/17-03/22/17	03 402	Tolson, Lesli	
9693	5 Cr	2:30PM-8:50PM	DAILY	01/03/17-03/22/17	03 402	Staff	

## **ACT 132 PANEL REPLACEMENT**

Covers the fundamentals of replacing hoods, bumpers, fenders, grilles, lids, and other bolted-on panels. Prerequisite(s): Successful completion of IAUT 102, IAUT 104, IAUT 115, IAUT 130, and IAUT and 139.

Additional Fee: 60.40

<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>
96A3	6 Cr	7:30AM-1:50PM	DAILY	01/03/17-03/22/17	03 301	Freeman, Kurt	

## **ACT 133 PANEL REPAIR**

Covers metal-straightening fundamentals, including proper tool usage; application of fillers; and sanding for proper size, shape, and texture. Prerequisite(s): Successful completion of IAUT 102, IAUT 104, IAUT 115, IAUT 130, and IAUT and 139.

Additional Fee: 60.40

<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>
96B3	6 Cr	7:30AM-1:50PM	DAILY	01/03/17-03/22/17	03 301	Freeman, Kurt	

## **ACT 134 AUTO COLLISION MAJOR REPAIRS**

Introduces vehicle damage measuring systems, straightening auto body structure, and replacing structural components. Prerequisite(s): Successful completion of IAUT 102, IAUT 104, IAUT 115, IAUT 130, and IAUT and 139.

Additional Fee: 55.50

<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>
96C3	5 Cr	7:30AM-1:50PM	DAILY	01/03/17-03/22/17	03 301	Freeman, Kurt	

## **ACT 141 BUSINESS LAW**

This module is an introduction to law as it applies to the business world. It examines legal institutions and processes, legal reasoning, and the interaction of law and business. Laws pertaining to business contracts, sales, bailments, commercial paper, employment, business organization, insurance and property are reviewed. Prerequisite: ACT 111 or instructor approval.

Additional Fee: 50.60

<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>
96H3	4 Cr	7:30AM-1:50PM	DAILY	01/03/17-03/22/17	03 301	Richards, G	

### **ACT 154 TOPCOAT REFINISHING**

Covers color matching, final masking, surface cleaning, and topcoat finishing. Prerequisite(s): Successful completion of IAUT 102, IAUT 104, IAUT 115, IAUT 130, and IAUT and 139.

Additional Fee: 70.20

<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>
96D3	8 Cr	7:30AM-1:50PM	DAILY	01/03/17-03/22/17	03 301	Richards, G	

### **ACT 166 SURFACE IMPERFECTIONS/EXTERIOR TRIM**

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

Additional Fee: 55.50

<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>
96F3	5 Cr	7:30AM-1:50PM	DAILY	01/03/17-03/22/17	03 301	Richards, G	

### **ACT 171 PLASTIC REFINISHING**

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

Additional Fee: 55.50

<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>
96G3	5 Cr	7:30AM-1:50PM	DAILY	01/03/17-03/22/17	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: 45.70

<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>
1703	3 Cr	7:30AM-1:50PM	DAILY	01/03/17-03/22/17	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: 50.60

<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>
1713	4 Cr	7:30AM-1:50PM	DAILY	01/03/17-03/22/17	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: 70.20

<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>
1723	8 Cr	7:30AM-1:50PM	DAILY	01/03/17-03/22/17	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: 60.40

<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>
1733	6 Cr	7:30AM-1:50PM	DAILY	01/03/17-03/22/17	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: 50.60

<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>
1743	4 Cr	7:30AM-1:50PM	DAILY	01/03/17-03/22/17	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: 65.30

<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>
1753	7 Cr	7:30AM-1:50PM	DAILY	01/03/17-03/22/17	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: 60.40

<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>
1763	Var	7:30AM-1:50PM	DAILY	01/03/17-03/22/17	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: 60.40

<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>
1773	6 Cr	7:30AM-1:50PM	DAILY	01/03/17-03/22/17	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: 60.40

<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>
1783	6 Cr	7:30AM-1:50PM	DAILY	01/03/17-03/22/17	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: 50.60

<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>
1793	4 Cr	7:30AM-1:50PM	DAILY	01/03/17-03/22/17	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: 75.10

<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>
17A3	9 Cr	7:30AM-1:50PM	DAILY	01/03/17-03/22/17	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: 60.40

<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>
17B3	Var	7:30AM-1:50PM	DAILY	01/03/17-03/22/17	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: 45.70

<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>
17C3	3 Cr	7:30AM-1:50PM	DAILY	01/03/17-03/22/17	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: 45.70

<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>
17D3	3 Cr	7:30AM-1:50PM	DAILY	01/03/17-03/22/17	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: 60.40

<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>
17F3	Var	7:30AM-1:50PM	DAILY	01/03/17-03/22/17	03 306	Richards, G	

## **AUTOMOTIVE TECHNICIAN**

### **AUT 174 ENGINE MINOR MECHANICAL REPAIR**

Diagnose and repair general engine mechanical, lubrication, and cooling-system problems. Upon completion of this course, the student will be familiar with the terminology, basic theory, diagnostics, and minor engine mechanical service and repair procedures. 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 175 and AUT 178.

Additional Fee: 60.40

<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>
4643	Var	7:30AM-1:50PM	DAILY	01/03/17-03/22/17	03 701	Smith, Michea	

### **AUT 175 ENGINE MAJOR MECHANICAL REPAIR**

Diagnose and repair engine blocks, heads, and valve trains. Upon completion of this course, the student will be familiar with the terminology, basic theory, diagnostics, and removal and installation procedures to successfully diagnose and repair automobiles and light truck engines. Prerequisite(s): Must have required tools and textbooks. Co-requisites: AUT 178.

Additional Fee: 65.30

<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>
4653	Var	7:30AM-1:50PM	DAILY	01/03/17-03/22/17	03 701	Smith, Michea	

### **AUT 178 ENGINE MECHANICAL LAB**

Repair engine components by applying knowledge attained in required courses. This is a hands-on class that uses live projects. Upon completion of this course, the student will be familiar with diagnosis, maintenance and repair of automobile and light truck engines. Prerequisite(s): Must have required tools and textbooks.

Additional Fee: 45.70

<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>
4663	Var	7:30AM-1:50PM	DAILY	01/03/17-03/22/17	03 701	Smith, Michea	

### **AUT 217 AUTOMOTIVE IGNITION SYSTEMS**

Diagnose and repair electronic and computer-controlled automotive ignition systems. Upon completion of this course, students will be familiar with the terminology, basic theory, and diagnostic and repair procedures used on automobiles and light trucks. Prerequisite(s): Must successfully complete courses

AUT 174, 175, 178, 209, and 212 and must have required tools and textbooks. Co-requisites: AUT 223 and AUT 236.

Additional Fee: 65.30

<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>
46B3	7 Cr	7:30AM-1:50PM	DAILY	01/03/17-03/22/17	03 901	Covington, G	

### **AUT 223 AUTOMOTIVE FUEL SYSTEMS**

Diagnose and repair fuel management systems. Upon completion of this course, the student will be familiar with the terminology, basic theory, and diagnostic and repair procedures used on automobiles and light trucks. Prerequisite(s): Must successfully complete courses AUT 174, 175, 178, 209, and 212, and must have required tools and textbooks. Co-requisites: AUT 217 and AUT 236.

Additional Fee: 65.30

<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>
46C3	7 Cr	7:30AM-1:50PM	DAILY	01/03/17-03/22/17	03 901	Covington, G	

### **AUT 236 AUTOMOTIVE EMISSIONS SYSTEMS**

Diagnose and repair emissions control systems. Upon completion of this course, the student will be familiar with the terminology, basic theory, and diagnostic and repair procedures used on automobiles and light trucks. Prerequisite(s): Must successfully complete courses AUT 174, 175, 178, 209, and 212, and must have required tools and textbooks. Co-requisites: AUT 217 and AUT 223.

Additional Fee: 65.30

<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>
46D3	7 Cr	7:30AM-1:50PM	DAILY	01/03/17-03/22/17	03 901	Covington, G	

### **AUT 247 AUTOMATICS TRANSMISSIONS**

This course provides students with the knowledge and skills to competently repair automatic transmissions. Upon completion of the course, students will be familiar with the terminology, basic theory, diagnostics, maintenance, and repair of automobile/light truck automatic transmissions. Prerequisite(s): Must have required tools and textbooks. Successful completion of IAUT 102, IAUT 104, IAUT 115, IAUT 130, and IAUT 139.

Additional Fee: 65.30

<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>
4683	Var	7:30AM-1:50PM	DAILY	01/03/17-03/22/17	03 601	Bridges, Wayn	[HYBRID]

### **AUT 250 AUTOMATIC TRANSAXLES**

This course provides students with the knowledge and skills to competently repair automatic transaxles. Upon completion of the course, students will be familiar with the terminology, basic theory, diagnostics, maintenance, and repair of automobile transaxles. Prerequisite(s): Must successfully complete AUT 247 and have required tools and textbooks.

Additional Fee: 65.30

<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>
4693	Var	7:30AM-1:50PM	DAILY	01/03/17-03/22/17	03 601	Bridges, Wayn	[HYBRID]

### **AUT 251 AUTOMATIC TRANSMISSIONS/TRANSAXLES LAB**

This course is designed to teach students to competently repair automatic transmission/transaxle assemblies 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 drive trains by applying academic knowledge to hands-on projects. Prerequisite(s): Must successfully complete courses AUT 247 and 250, and must have required tools and textbooks prior to entering this course.

Additional Fee: 50.60

<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>
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46A3 Var 7:30AM-1:50PM DAILY 01/03/17-03/22/17 03 601 Bridges, Wayn [HYBRID]

### **AUT 270 INTRODUCTION TO HYBRID SAFETY**

This course is an introduction to the safety precautions required when working on hybrid and electric vehicles. Students will learn about the basics of hybrid electrical systems, personal protective equipment (PPE) and how to power down the most common hybrid vehicles. Offered only during winter quarter.

Prerequisite(s): Successful completion of IAUT 102, IAUT 104, IAUT 115, IAUT 130, IAUT and 139.

Additional Fee: 50.60

<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>
4673	4 Cr	7:30AM-1:50PM	DAILY	01/03/17-03/22/17	03 601	Bridges, Wayn	[HYBRID]
46F3	4 Cr	7:30AM-1:50PM	DAILY	01/03/17-03/22/17	03 901	Covington, G	[HYBRID]
46G3	Var	7:30AM-1:50PM	DAILY	01/03/17-03/22/17	03 701	Smith, Michea	[HYBRID]

### **FAUT 120 FORD INTRODUCTION TO AUTOMOTIVE**

Additional Fee: 40.80

<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>
4603	2 Cr	7:30AM-1:50PM	DAILY	01/03/17-03/22/17	03 801	Brown, David	

### **FAUT 149 FORD AUTOMOTIVE SUSPENSION,STEERING WHEEL ALIGNM**

Additional Fee: 65.30

<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>
4613	7 Cr	7:30AM-1:50PM	DAILY	01/03/17-03/22/17	03 801	Brown, David	

### **FAUT 172 FORD BASE STEERING, SUSPENSION & ALIGNMENT**

Additional Fee: 60.40

<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>
4623	6 Cr	7:30AM-1:50PM	DAILY	01/03/17-03/22/17	03 801	Brown, David	

### **FAUT 179 FORD GENERAL MAINTENANCE AND TIRES**

Additional Fee: 65.30

<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>
4633	7 Cr	7:30AM-1:50PM	DAILY	01/03/17-03/22/17	03 801	Brown, David	

## **AVIATION MAINTENANCE TECHNICIAN**

### **AMT 109 BASIC ELECTRICITY**

Direct current circuits, series, and parallel circuit arrangements and their application, understanding the relationship of voltage, current, resistance, and power, calculating and measuring these values, and understand the operation of the multi-meter and its use in troubleshooting.

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>
4403	4 Cr	7:00AM-1:00PM	DAILY	01/03/17-03/22/17	SHC116	Doyon, Greg	

### **AMT 125 ADVANCED ELECTRICITY**

Understand the effect of resistance, capacitance, and inductance in AC circuits, and understand

transformers. Learn about basic semi-conductor devices (diodes and transistors), and be able to explain their function in simple circuits.

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>
4413	4 Cr	7:00AM-1:00PM	DAILY	01/03/17-03/22/17	SHC116	Doyon, Greg	

### **AMT 133 AIRCRAFT FUEL/ICE/RAIN CONTROL/FIRE PROTECT SYS**

Covers principles of operation and configuration of warning systems, electrical brake controls, anti-skid systems, and landing gear position indicating and warning systems. Learn the effects of ice and rain on aircraft during operations in inclement weather, the equipment and materials used to counter ice and rain, and the maintenance of this equipment. Explore components and operation of fire detection and extinguishing equipment, as well as smoke and toxic gas detection systems.

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>
4493	Var	7:00AM-1:00PM	DAILY	01/03/17-03/22/17	SHC117	Staff	

### **AMT 140 AIRCRAFT LANDING GEAR**

Inspect, check, service, and repair landing gear retraction systems, shock struts, brakes, wheels, tires, and steering 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>
4453	Var	7:00AM-1:00PM	DAILY	01/03/17-03/22/17	SHC117	Staff	

### **AMT 141 HYDRAULIC & PNEUMATIC POWER SYSTEMS**

Inspect, check, service, troubleshoot, and repair hydraulic and pneumatic power systems and components. Identify and select hydraulic fluids.

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>
4463	Var	7:00AM-1:00PM	DAILY	01/03/17-03/22/17	SHC117	Staff	

### **AMT 142 HANGAR AND FLIGHT LINE OPERATIONS**

Perform maintenance on items of shop equipment used in the day-to-day operation of the aircraft maintenance hangar, calibrate precision tools as needed, and assist in repair station operations. Note: Offered during winter quarter.

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>
4423	3 Cr	7:00AM-1:00PM	DAILY	01/03/17-03/22/17	SHC116	Doyon, Greg	
4473	Var	7:00AM-1:00PM	DAILY	01/03/17-03/22/17	SHC117	Staff	

### **AMT 143 AIRFRAME ELECTRICAL SYSTEMS**

Learn about operation of AC and DC electrical systems used on large and small aircraft, generating and starting systems, AC and DC electric motors, wiring, controls, switches, indicators, and protective devices, and constant speed and integrated drive generators.

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>
4433	5 Cr	7:00AM-1:00PM	DAILY	01/03/17-03/22/17	SHC116	Doyon, Greg	

### **AMT 144 ENGINE ELECTRICAL SYSTEMS**

Develop an understanding of the operation of generators, alternators, DC motors, and AC motors, and their repair and overhaul. Learn the special requirements of electrical components operating in high

temperature areas and how to install wiring, controls, switches, and indicators, and to protect them from its effects.

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>
4443	5 Cr	7:00AM-1:00PM	DAILY	01/03/17-03/22/17	SHC116	Doyon, Greg	

### **AMT 145 CABIN ATMOSPHERE CONTROL SYSTEMS**

Physiological aspects of flight. Inspection and maintenance of oxygen, pressurization, heating, cooling, and air conditioning 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>
4483	Var	7:00AM-1:00PM	DAILY	01/03/17-03/22/17	SHC117	Staff	

### **AMT 146 AIRCRAFT INSTRUMENT/COMMUN/NAVIGATION SYSTEMS**

Learn principles of operation of common aircraft instruments, air or vacuum driven gyros, pilot-static systems, and static system leak tests. Gain operating principles of common avionics equipment, antennas, autopilots, servos, approach coupling systems, interphones, static discharge devices, and ground proximity warning systems. Inspect and repair antennas and electronic equipment.

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>
44A3	Var	7:00AM-1:00PM	DAILY	01/03/17-03/22/17	SHC117	Staff	

### **AMT 217 FAA TESTING & TURBINE ENGINES**

Covers preparation for and completion of FAA certification examinations. FAA written examinations are accomplished outside of CPTC at an FAA Designated Written Examination Center. After successful completion of written examinations, students must pass an oral and practical examination administered by an FAA Designated Maintenance Examiner (DME). Students are charged a fee for these examinations. Note: Fees for these examinations are not included in the college tuition or lab fees. The remaining 120 hours of training concentrate on turbine engines to include: the history, different types, the theory of operation of turbine engines, the Brayton cycle, Bernoulli's theory, and turbine engine air flow characteristics. Learn the theory of operation of different types of compressors, combustion chamber, turbines, turbine stator vanes (nozzles), and exhaust sections maintenance of turbine engines to include: turbine engine removal, overhaul, inspection, and repair procedures. Learn to install turbine engines, make adjustments, troubleshoot, test and check run procedures; become familiar with regulations, publications, and records for turbine engines.

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>
44B3	Var	7:00AM-1:00PM	DAILY	01/03/17-03/22/17	SHC118	Creech, Danie	

### **AMT 219 ENGINE LUBRICATION SYSTEMS**

Covers the components of and the operation of engine lubrication systems. Introduction to the requirements and characteristics of engine lubricants and lubrication systems.

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>
44C3	Var	7:00AM-1:00PM	DAILY	01/03/17-03/22/17	SHC118	Creech, Danie	

### **AMT 221 ENGINE INSTRUMENT SYSTEMS**

Covers the theory and principal of operation of electrical and mechanical fluid rate of flow indicating systems, and electrical and mechanical temperature, pressure, and RPM indicating systems.

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>
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44D3 Var 7:00AM-1:00PM DAILY 01/03/17-03/22/17 SHC118 Creech, Danie

### **AMT 229 PROPELLERS & FAA FINAL TESTING**

Propellers consist of the theory of operation and nomenclature. Propeller controls and instrumentation. Fixed pitch, controllable pitch, constant speed, and feathering propellers. Governors, anti-ice, phasing, and synchronization systems. Inspection, maintenance, and repairs to propellers and related systems. Familiarization of unducted fan engines. Included at the end of the course, 6 hours devoted to preparation for FAA certification examinations. FAA written examinations are accomplished at an FAA Designated Written Examination Center. After successful completion of written examinations, students must pass an Oral and Practical Examination administered by an FAA Designated Mechanics Examiner (DME). Students are charged a fee for these examinations administered by FAA designated examiners and centers. Note: Fees for these examinations are not included in the college tuition or lab fees systems.

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>
44K3	Var	7:00AM-1:00PM	DAILY	01/03/17-03/22/17	SHC120	Vick, Phillip	

### **AMT 231 ENGINE INSPECTION**

Engine inspection consists of detailed work with the Federal Aviation Regulations, types of inspections, conformance to type certificate data sheets and major alterations, airworthiness directives, and maintenance record entries.

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>
44G3	Var	7:00AM-1:00PM	DAILY	01/03/17-03/22/17	SHC120	Vick, Phillip	

### **AMT 233 ENGINE IGNITION & STARTING SYSTEMS**

Covers the operation, maintenance, and overhaul of magnetos and ignition, harnesses, the inspection, servicing, troubleshooting, and repair of reciprocating and turbine engine ignition system, components and turbine engine electrical and pneumatic starting systems.

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>
44H3	Var	7:00AM-1:00PM	DAILY	01/03/17-03/22/17	SHC120	Vick, Phillip	

### **AMT 235 INDUCTION, AIRFLOW, COOLING & EXHAUST SYSTEMS**

Learn about the maintenance of carburetors and fuel-injected, naturally-aspirated, turbo-charged, and super-charged induction systems. Learn about maintenance of ice and rain control systems as well as principles of air-cooled engines and problems that can occur with an air-cooled engine. Study the history and development of exhaust systems, and their function to safely remove exhaust gasses. Students will describe, inspect, maintain, troubleshoot, and repair components of exhaust systems. Learn principles of operation of turbine engine reversing systems and power recovery turbines.

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>
44J3	Var	7:00AM-1:00PM	DAILY	01/03/17-03/22/17	SHC120	Vick, Phillip	

### **AMT 239 ADVANCED HANGAR OPERATIONS**

Advanced hangar operations and maintenance is designed for the students currently enrolled in the helicopter and powerplant classes. It includes servicing and repair of shop equipment, calibration of precision tools, and assisting in the repair station operations. Note: This course work is only offered during winter quarter.

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>
44F3	Var	7:00AM-1:00PM	DAILY	01/03/17-03/22/17	SHC118	Creech, Danie	

# **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. Lab times not included. Prerequisite(s): COMPASS reading score of 81 and writing score of 77 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>
0573	5 Cr	12:00PM-12:50PM	DAILY	01/03/17-03/22/17	21 235	Noffke, Wendy	[HYBRID]
0504	Var	8:00AM-9:50AM	WF	01/04/17-03/17/17	ARR	Noffke, Wendy	[HYBRID]
0505	Var	10:00AM-11:50AM	WF	01/04/17-03/21/17	ARR	Noffke, Wendy	[HYBRID]

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

An in-depth approach to body systems, emphasizing the relationship between structure and functions. A laboratory course appropriate for non-science majors or for students beginning study in life sciences. Lab times not included. Prerequisites: Appropriate COMPASS/SLEP placement score or Instructor permission.

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	10:00AM-11:50AM	TTh	01/03/17-03/21/17	21 235	Noffke, Wendy	[HYBRID]
0508	Var	ARRANGED	ARRANGED	01/03/17-03/21/17	ON LINE	Noffke, Wendy	[HYBRID]

## **BIOL& 241 ANATOMY & 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. Laboratory component included. Lab times not included. 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>
0509	5 Cr	0:M-0:M	TTh	01/03/17-03/21/17	21 231	Austin, Laura	[HYBRID]

## **BIOL& 242 HUMAN ANATOMY & 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. Laboratory component included. Lab times not included. 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>
0510	Var	0:M-0:M	MW	01/04/17-03/21/17	ARR	Austin, Laura	[HYBRID]
0511	5 Cr	0:M-0:M	MW	01/04/17-03/22/17	ARR	Austin, Laura	[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. Includes laboratory. Lab times not included. 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>
0512	Var	ARRANGED	ARRANGED	01/03/17-03/21/17	ARR	Noffke, Wendy	[HYBRID]

## **CENTRAL SERVICE/STERILE PROCESSING**

### **MMN 126 PRINCIPLES AND METHODS OF CLEANING**

Includes classroom and laboratory experience in the fundamentals of cleaning and disinfection. Topics include water quality, water purification systems, chemical cleaning and disinfecting agents, handling and transporting of patient care equipment, and general cleaning protocols for instruments and equipment. The proper and safe handling of infectious waste is included. Web enhanced. Prerequisite(s): Successful completion of MMN 103, MMN 106, MMN 111, MMN 124.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
8303	6 Cr	8:00AM-3:00PM	MTWTh	01/03/17-01/26/17	21 107	Wagers, Jane	[ENHANCED]

### **MMN 129 PRINCIPLES & PRACTICES OF STERILIZATION**

This class includes classroom and laboratory experience in the packaging, assembly, and sterilization of procedural trays, instrument sets, and sterile supplies. Major topics include methods of high- and low-temperature sterilization, sterilization chemicals, and packaging materials. Guidelines for point of use processing are discussed. Operations, parameters, and maintenance of various sterilizers are included, as well as monitoring of the sterilization process and quality control. Proper storage and storage concerns for sterile supplies are included. Prerequisite(s): Successful completion of MMN 103, MMN 106, MMN 111, MMN 124, MMN 126.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
8313	6 Cr	8:00AM-3:00PM	MTWTh	01/27/17-02/27/17	21 107	Wagers, Jane	[ENHANCED]

### **MMN 132 MATERIEL MGMT AND CENTRAL SERVICE APPLICATIONS**

This course is an overview of the handling and distribution of materials in a medical facility. Topics covered include inventory management, replenishment methods, and tracking systems. Students become familiar with quality assurance measures and techniques. Prerequisite(s): Successful completion of MMN 103, MMN 106, MMN 111, MMN 124, MMN 126, MMN 129.

Additional Fee: 99.00

<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>
8323	3 Cr	8:00AM-3:00PM	MTWTh	02/28/17-03/22/17	21 107	Wagers, Jane	[ENHANCED]

## **CHEMISTRY**

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

Applying the chemical principles to energy usage, environmental impact, foods, drugs, and consumer products are emphasized. An introduction to chemistry intended for non-science majors. The course looks at how models of atoms, bonding and the structures of materials provide an understanding of common chemical properties and reactions. Prerequisite: MAT 099 or higher or appropriate COMPASS placement concurrently with this course

Additional Fee: 59.50

<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>
0513	Var	ARRANGED	ARRANGED	01/06/17-03/17/17	ARR	Staff	[HYBRID]
0514	5 Cr	ARRANGED	ARRANGED	01/06/17-03/17/17	ARR	Staff	[HYBRID]

### **CHEM& 121 INTRO TO CHEMISTRY**

Understanding the metric system, atomic theory, bonding, quantitative relationships, solutions, gases, acids and bases, salts, and nuclear chemistry. Lab included. Winter Quarter Lab Times For Winter Quarter 2017, will have lab times on Fridays. Prerequisite(s): Successful completion of CHEM& 110 or high school chemistry; co-requisite: MAT 099 or higher or appropriate COMPASS placement concurrently with this course.

Additional Fee: 59.50

<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>
0515	Var	ARRANGED	ARRANGED	01/06/17-03/17/17	ARR	Staff	[HYBRID]

### **CHEM& 131 INTRODUCTION TO ORGANIC BIOCHEMISTRY**

This course is a survey of organic and biochemistry. The following topics are covered: Nomenclature of organic matter, alcohols, alkenes, organic acids and bases, amines & amides, carbohydrates, proteins, enzymes, nucleic acids, and metabolic pathways. Winter Quarter Lab Times For Winter Quarter 2017, will have lab times on Fridays.

Additional Fee: 59.50

<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	5 Cr	ARRANGED	ARRANGED	01/06/17-03/17/17	ARR	Staff	[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 get students familiar 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 a component on using SALT for financial planning. Beginning in Fall 2016, this course is mandatory for all new students. This course requires attendance at an orientation before the quarter in the Student Center, Building 23. 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>
2P03	3 Cr	7:00AM-7:50AM	DAILY	01/03/17-02/09/17	17 240	Van Beek, Car	[HYBRID]

2P13	3 Cr	8:00AM-8:50AM	TWTh	01/03/17-03/10/17	14 102	Perkins, Petr	[HYBRID]
2P23	3 Cr	9:00AM-9:50AM	TWTh	01/03/17-03/10/17	16 116	Mollas, Tula	[HYBRID]
2P33	Var	9:00AM-9:50AM	TWTh	01/03/17-03/10/17	15 112	Holster, Elai	[HYBRID]
2P53	3 Cr	11:00AM-11:50AM	TWTh	01/03/17-03/10/17	16 205	Schwarder, C	[HYBRID]
2P63	3 Cr	12:00PM-12:50PM	TWTh	01/03/17-03/10/17	16 205	Schwarder, C	[HYBRID]
2P73	3 Cr	12:00PM-12:50PM	TWTh	01/03/17-03/10/17	15 112	Wirth, Alexan	[HYBRID]
2P83	Var	1:00PM-1:50PM	TWTh	01/03/17-03/10/17	15 112	Wirth, Alexan	[HYBRID]
2P93	3 Cr	2:00PM-2:50PM	TWTh	01/03/17-03/10/17	16 116	Mollas, Tula	[HYBRID]
2PA3	Var	3:00PM-3:50PM	TWTh	01/03/17-03/10/17	16 116	Mollas, Tula	[HYBRID]
2P43	Var	10:00AM-10:50AM	MWF	01/04/17-03/10/17	15 112	Holster, Elai	[HYBRID]
2PB3	Var	4:00PM-4:50PM	MTW	01/04/17-03/10/17	11 107	Felch, Christ	[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>
2003	3 Cr	ARRANGED	ARRANGED	01/03/17-03/22/17	ON LINE	Westerberg, R	[ONLINE]
2013	3 Cr	10:00AM-10:50AM	TWTh	01/03/17-03/21/17	11 112	Wilson, Jacki	
5703	3 Cr	ARRANGED	ARRANGED	01/03/17-03/22/17	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>
2023	3 Cr	9:00AM-9:50AM	TWTh	01/03/17-03/21/17	11 112	Calip, Vincen	[HYBRID]
2033	3 Cr	11:00AM-11:50AM	TWTh	01/03/17-03/21/17	11 112	Wilson, Jacki	

### **CAS 121 WORD I**

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

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>
2043	3 Cr	12:00PM-12:50PM	TTh	01/03/17-03/21/17	11 112	Calip, Vincen	[HYBRID]
2053	3 Cr	ARRANGED	ARRANGED	01/03/17-03/22/17	ON LINE	Westerberg, R	[ONLINE]

### **CAS 125 WORD II**

CAS 125CL WORD II 3CR Explore advanced word processing with Microsoft Word. Perform mail merges, create styles, use advanced graphics tools, create basic forms with formulas, and use advanced report functions, including indexes. Create macros and modify the Word environment. Prerequisite(s): Successful completion of CAS 121.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
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2063 3 Cr ARRANGED ARRANGED 01/03/17-03/22/17 ON LINE Westerberg, R [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 082 skills preferred.

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>
2073	3 Cr	1:00PM-1:50PM	TTh	01/03/17-03/21/17	11 112	Calip, Vincen	[HYBRID]
2083	3 Cr	ARRANGED	ARRANGED	01/03/17-03/21/17	ON LINE	Westerberg, R	[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>
2093	3 Cr	ARRANGED	ARRANGED	01/03/17-03/22/17	ON LINE	Westerberg, R	[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>
20B3	3 Cr	ARRANGED	ARRANGED	01/03/17-03/22/17	ON LINE	Westerberg, R	[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>
20C3	5 Cr	ARRANGED	ARRANGED	01/03/17-03/22/17	ON LINE	Westerberg, R	[ONLINE]

### **CAS 151 ACCESS I**

Develop basic relational databases as you create, edit, format, and print tables, queries, forms, and reports. Copy records and import tables from another Access database. Define field properties and create relationships. Run, sort, and filter queries. Use comparison and logical operators, and perform calculations. Explore the basics of creating a cohesive database. 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. Winter Quarter Lab Times For Winter Quarter 2017, will have lab times on Fridays. For Winter Quarter 2017, will have lab times on Fridays. Co-requisites: Students who have not completed MAT 099 or achieved a COMPASS score of 76 or higher on College Algebra must take MAT 099 concurrently with 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>
20F3	3 Cr	ARRANGED	ARRANGED	01/03/17-03/22/17	ON LINE	Westerberg, R	[ONLINE]
20D3	3 Cr	2:00PM-2:50PM	MW	01/04/17-03/22/17	11 112	Calip, Vincen	[HYBRID]

# **COMPUTER PROGRAMMING AND WEB DEVELOPMENT**

## **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. 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>
5403	5 Cr	1:00PM-4:00PM	TTh	01/03/17-03/21/17	11 111W	Meerdink, Ken	[ENHANCED]

## **CPW 116 .NET PROGRAMMING**

Learn to program using .NET Framework with focus on windows and console. 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. Prerequisites: CPW142, CPW150.

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>
5413	5 Cr	9:00AM-12:00PM	MW	01/04/17-03/22/17	11 111E	Ortiz, Joseph	[ENHANCED]

## **CPW 118 WEB DESIGN PRINCIPLES**

Explores how the web works and methods and limitations of delivering content on the web. Examines 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>
5423	Var	9:00AM-12:00PM	MW	01/04/17-03/22/17	11 107	Webster, Mark	[ENHANCED]

## **CPW 142 JAVA OBJECT-ORIENTED PROGRAMMING I**

Construct a foundation of procedural programming concepts and skills requisite for professional object-oriented software development. Use Java, a modern-structured, object-oriented language, to develop your problem-solving and algorithm formulation skills. Prerequisite(s): Successful completion of CPW 101.

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>
5433	5 Cr	1:00PM-4:00PM	MW	01/04/17-03/22/17	11 107	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>
5443	5 Cr	9:00AM-12:00PM	TTh	01/03/17-03/21/17	11 111E	Ortiz, Joseph	[ENHANCED]

### **CPW 206    ADVANCED WEB DESIGN**

Provides demonstrations and practical exercises for using HTML and CSS to create attractive and well-formed web documents. Prerequisite(s): Successful completion of CPW 118, CPW 120. For graphics students GTC 265, and GTC 273.

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>
5453	5 Cr	9:00AM-12:00PM	MW	01/04/17-03/22/17	11 106	Dague, Bruce	[ENHANCED]

### **CPW 212    ADVANCED .NET PROGRAMMING**

Learn advanced .NET programming including writing classes, working with indexers, overloading operators, and other advanced object-oriented concepts. Work with databases using ADO.NET, databinding, and object-relational mappers. Learn techniques for working non-relational data storage. Prerequisite(s): Successful completion of CPW 116.

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>
5463	5 Cr	1:00PM-4:00PM	TTh	01/03/17-03/21/17	11 111E	Ortiz, Joseph	[ENHANCED]

### **CPW 214    .NET PROGRAMMING FOR THE WEB**

Earn professional experience in analyzing, designing, and developing dynamic, data-driven, commercial web applications using Microsoft ASP.NET. Gain a solid foundation in web development covering topics from state management, security, using various data stores, working with forms, and more.

Prerequisite(s): Successful completion of CPW 116.

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>
5473	5 Cr	1:00PM-4:00PM	MW	01/04/17-03/22/17	11 111E	Ortiz, Joseph	[ENHANCED]

### **CPW 218    C++**

Deals with learning programming using C++ as the primary language with focus on problem-solving and introduction to object-oriented concepts and terms. Prerequisite: CPW 143.

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>
5483	5 Cr	9:00AM-12:00PM	MW	01/04/17-03/22/17	11 111W	Meerdink, Ken	[ENHANCED]

### **CPW 222    CLIENT-SIDE WEB PROGRAMMING**

Introduces the fundamentals of working with JavaScript. Applies variables, objects, arrays, strings, conditional statements, and external data to create dynamic, interactive web pages. Prerequisite(s): Successful completion of CPW 118, CPW 120, 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>
5493	5 Cr	1:00PM-4:00PM	TTh	01/03/17-03/21/17	11 106	Dague, Bruce	[ENHANCED]

### **CPW 227    WEB DEVELOPMENT II**

Provides practical experience in integrating PHP and MySQL to create dynamic web sites, including database-driven content pages, content management systems, and interactive forms. Prerequisite: CPW 210, CPW220.

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>
54A3	5 Cr	9:00AM-12:00PM	TTh	01/03/17-03/21/17	11 106	Dague, Bruce	[ENHANCED]

### **CPW 231    CONTENT MANAGEMENT SYSTEMS**

Design, create, and manage custom WordPress websites and themes using HTML, CSS, JavaScript and

PHP. Prerequisite(s): Successful completion of CPW 118, CPW 120.

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>
54B3	5 Cr	9:00AM-4:00PM	F	01/06/17-03/17/17	11 107	Webster, Mark	[ENHANCED]

### **CPW 245 DATA & LOGIC STRUCTURES**

Expand your understanding of object-oriented programming techniques by implementing abstract data types as data structures in solving complex computing problems. Study the fundamental algorithms of computer science while using mathematical principles to analyze the efficiency of their implementation.

Prerequisite(s): Successful completion of CPW 143.

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>
54C3	5 Cr	9:00AM-12:00PM	TTh	01/03/17-03/21/17	11 111W	Meerdink, Ken	[ENHANCED]

## **COMPUTER NETWORKING AND INFORMATION SYSTEMS SECURITY**

### **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: 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>
4703	5 Cr	8:00AM-3:00PM	MWF	01/04/17-02/08/17	16 107	Morris, Cath	[ENHANCED]
47U3	5 Cr	6:00PM-9:00PM	M	01/09/17-02/06/17	16 107	Lanphier, Jay	[ENHANCED]

### **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: 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>
4713	4 Cr	8:00AM-3:00PM	MWF	02/10/17-03/22/17	16 107	Morris, Cath	[ENHANCED]
47V3	4 Cr	6:00PM-9:00PM	M	02/13/17-03/20/17	16 107	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: 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>
4723	5 Cr	12:00PM-3:00PM	TTh	01/03/17-03/21/17	16 209	Souza, Donal	[ENHANCED]
47Y3	5 Cr	6:00PM-9:00PM	W	01/04/17-03/22/17	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: 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>
4733	5 Cr	8:00AM-3:00PM	MWF	01/04/17-02/08/17	16 207	Lanphier, Jay	[ENHANCED]
47W3	5 Cr	6:00PM-9:00PM	W	01/04/17-02/08/17	16 207	Lanphier, Jay	[HYBRID]

### **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: 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>
4743	4 Cr	8:00AM-3:00PM	MWF	02/10/17-03/22/17	16 207	Lanphier, Jay	[ENHANCED]
47X3	4 Cr	6:00PM-9:00PM	W	02/15/17-03/22/17	16 207	Lanphier, Jay	[HYBRID]

### **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: 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>
4753	4 Cr	12:00PM-3:00PM	TTh	01/03/17-03/21/17	16 207	Lanphier, Jay	[ENHANCED]

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

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>
4763	4 Cr	8:00AM-11:00AM	TTh	01/03/17-03/21/17	16 109	Souza, Donal	[ENHANCED]

### **NSS 140 INTRO TO DATA ANALYSIS**

Introduces the use of software to perform recovery of deleted or corrupted data. Techniques will be used to demonstrate the use of statistical analysis practices to predict or show trends involving security issues of access, crime, or loss prevention.

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>
4773	5 Cr	8:00AM-11:00AM	TTh	01/03/17-03/21/17	16 207	Lanphier, Jay	[ENHANCED]

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

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: 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>
4783	4 Cr	12:00PM-3:00PM	TTh	01/03/17-03/21/17	16 109	Turner, Jeffr	[ENHANCED]

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



47F3 2 Cr ARRANGED ARRANGED 01/03/17-03/22/17 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: 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>
47G3	5 Cr	8:00AM-11:00AM	MWF	01/04/17-03/22/17	16 111	Hollowell, Ke	[ENHANCED]

### **NSS 205 ADVANCED WINDOWS SERVER CONFIGURATION**

Introduces the knowledge and skills necessary for systems administrators to successfully implement advanced services in Windows server operating systems. Provides extensive hands-on exercises where students learn to configure and manage a wide range of services, including network load balancing, clustering, DHCP, DNS, and direct access. Provides guidance for students pursuing industry certification. Prerequisite(s): Successful completion of NSS 162 Administering Windows Server OS or instructor permission.

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>
47H3	5 Cr	12:00PM-3:00PM	MWF	01/04/17-03/22/17	16 109	Souza, Donal	[ENHANCED]

### **NSS 250 INTERNSHIP II**

This course provides practical field experience in a security-related specialty area. Includes scheduled seminar.

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>
47J3	2 Cr	ARRANGED	ARRANGED	01/03/17-03/22/17	16 112	Randall Jody	[ENHANCED]

### **NSSB 203 PENETRATION TESTING SECURITY AND ANALYSIS**

Introduces the history of hacking, its various forms, examples of the latest attacks, tools, and techniques employed by today's hackers. Includes countermeasures that help illustrate how to protect against these devastating maneuvers.

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>
47K3	5 Cr	8:00AM-12:00PM	MTWTh	02/21/17-03/22/17	16 112	Randall Jody	

### **NSSB 210 NSSB SECURITY LEARNING LAB I**

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 203 and NSSB 232.

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>
47M3	3 Cr	8:00AM-12:00PM	F	01/06/17-03/17/17	16 112	Randall Jody	

### **NSSB 232 INVESTIGATION & RESPONSE**

Analyze the risks involved and determine what level of security is needed to operate a website. Topics include how to protect a web setup from intrusion, sabotage, eavesdropping and tampering, and view the website with existing tools and techniques of hackers. Develop a secure website plan to select, secure, configure, and set up firewalls, as well as secure an extended and distributed enterprise network or Virtual Private Network.

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>
47L3	5 Cr	8:00AM-12:00PM	MTWTh	01/03/17-02/16/17	16 112	Randall Jody	

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

The second of four courses in the Cisco Networking Academy curriculum, which teaches networking concepts by applying them to a type of network students may encounter on the job in a small-to-medium business or ISP. Prerequisites: Successful completion of NSSC 200.

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>
47N3	5 Cr	8:00AM-11:00AM	MWF	01/04/17-02/08/17	16 209	Turner, Jeffr	[ENHANCED]
47Z3	5 Cr	6:00PM-9:00PM	W	01/04/17-03/22/17	16 209	Turner, Jeffr	[HYBRID]

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

The third of four courses in the Cisco Networking Academy curriculum, which familiarizes students with the equipment, applications, and protocols installed in enterprise networks, with a focus on switching, routing, IP addressing, WAN technologies, and security. Prerequisites: Successful completion of NSSC 201

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>
47AA	5 Cr	6:00PM-9:00PM	W	01/04/17-03/22/17	16 209	Turner, Jeffr	[HYBRID]
47P3	5 Cr	8:00AM-11:00AM	MWF	02/10/17-03/22/17	16 209	Turner, Jeffr	[ENHANCED]

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

The last of four courses in the Cisco Networking Academy curriculum, which takes the student through a variety of case studies and role playing exercises, which include gathering requirements, designing basic networks, establishing proof-of-concept, and performing project management. Prerequisites: Successful completion of NSSC 203

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>
47R3	5 Cr	8:00AM-11:00AM	TThF	01/03/17-02/03/17	16 209	Turner, Jeffr	[ENHANCED]
47AB	5 Cr	6:00PM-9:00PM	W	01/04/17-03/22/17	16 209	Turner, Jeffr	[HYBRID]

### **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. Prerequisites: Concurrently enrolled in NSSC 200 (Cisco Networking I) & NSSC 201 (Cisco Networking II).

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>
47Q3	3 Cr	12:00PM-3:00PM	MWF	01/04/17-03/22/17	16 209	Turner, Jeffr	

### **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: 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>
47S3	5 Cr	8:00AM-11:00AM	TThF	02/07/17-03/21/17	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. Prerequisites: Concurrently enrolled in NSSC 203 (Cisco Networking III) & NSSC 205 (Cisco Networking IV).

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>
47T3	3 Cr	12:00PM-3:00PM	TThF	01/03/17-03/21/17	16 209	Turner, Jeffr	

### **ACIR 200 INTRODUCTION TO CYBER INCIDENT RESPONSE**

Introduces basic concepts of Cyber Incident Response. Identify what an incident response team is, selection of team members, and skills needed as members of an incident response team.

Prerequisite(s): Prior to enrollments, it is advised that prospective student should have two to three years of experience in Computer and Network Administration, Cyber Security, and an instructor(s) interview/permission.

Instructor Permission required.

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>
47AC	3 Cr	6:00PM-9:00PM	TTh	01/03/17-02/09/17	16 112	Randall Jody	[HYBRID]

### **ACIR 210 RESPONSE PLANNING AND NETWORK PROTECTION**

Students will develop a strong course of action for Incident response, identify major decision points, and identify acceptable methods. Help Management and the Incident Response team develop effective mitigation strategies, identify a defensive network posture, and determine acceptable risks to computers, networks, and networked devices. Prerequisite(s): Successful completion or concurrent enrollment in ACIR 200 (Introduction to Cyber Incident Responder) prior to enrolling in this course or with instructor interview/permission.

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>
47AD	4 Cr	6:00PM-9:00PM	TTh	02/14/17-03/21/17	16 207	Lanphier, Jay	[HYBRID]

## **CONSTRUCTION**

### **CONST 105 MEASUREMENT, TOOLS & SAFETY**

Introduction to residential and light construction applications and trades. Explores and applies safety standards to the use of various hand and power tools associated with the carpentry field.

Additional Fee: 31.00

<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>
2203	2 Cr	8:00AM-2:30PM	DAILY	01/03/17-03/22/17	05 100	Quinlan, Jame	

### **CONST 108 SITE LEVELING, PLANS, CODES & MATERIALS**

Introduction to use and operation of a builder level, including leveling and squaring a building site.

Covers building plans, codes, inspections, and construction materials.

Additional Fee: 31.00

<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>
2213	2 Cr	8:00AM-2:30PM	DAILY	01/03/17-03/22/17	05 100	Quinlan, Jame	

### **CONST 112 FOOTINGS & FOUNDATIONS**

Introduction to the methods of construction footing and foundation forms, terminology and inspections for the typical residential home. 1 1/2

Additional Fee: 31.00

<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>
2223	3 Cr	8:00AM-2:30PM	DAILY	01/03/17-03/22/17	05 100	Quinlan, Jame	

### **CONST 116 FLOOR FRAMING**

Introduction to the construction procedures and terminology used in framing a residential wood floor.

1 1/2

Additional Fee: 31.00

<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>
2233	3 Cr	8:00AM-2:30PM	DAILY	01/03/17-03/22/17	05 100	Quinlan, Jame	

### **CONST 120 WALL FRAMING, SHEETING & CEILINGS**

Introduction to wall framing construction procedures and terminology, the application of ceiling and/or two-story framing, inspections, sheeting, and aligning. 1 1/2

Additional Fee: 31.00

<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>
2243	5 Cr	8:00AM-2:30PM	DAILY	01/03/17-03/22/17	05 100	Quinlan, Jame	

### **CONST 122 ROOF FRAMING**

Introduction to roof framing and the use of a framing square, including both truss roof and stick- built residential roofs. 1 1/2

Additional Fee: 31.00

<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>
2253	5 Cr	8:00AM-2:30PM	DAILY	01/03/17-03/22/17	05 100	Quinlan, Jame	

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

Introduction to various roofing materials, including proper installation techniques. 1 1/2

Additional Fee: 31.00

<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>
2263	3 Cr	8:00AM-2:30PM	DAILY	01/03/17-03/22/17	05 100	Quinlan, Jame	

### **CONST 130 STAIRWAY CONSTRUCTION**

Introduction to basic stair construction, including the application of building codes, stairway arrangements, component, and layout. 1 1/2

Additional Fee: 31.00

<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>
2273	4 Cr	8:00AM-2:30PM	DAILY	01/03/17-03/22/17	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. 1 1/2

Additional Fee: 31.00

<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>
2283	3 Cr	8:00AM-2:30PM	DAILY	01/03/17-03/22/17	05 100	Quinlan, Jame	

### **CONST 138 INTERIOR FINISH I**

Introduction to interior wall and ceiling finish, interior doors and hardware, cabinet and counter top installation, interior trim, and finish flooring. Continuation of interior wall and ceiling finish, interior doors

and hardware, cabinet and counter top installation, interior trim, and finish flooring.

Additional Fee: 31.00

<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>
2293	3 Cr	8:00AM-2:30PM	DAILY	01/03/17-03/22/17	05 100	Quinlan, Jame	

### **CONST 142 INTERIOR FINISH II**

Continuation of interior wall and ceiling finish, interior doors and hardware, cabinet and counter top installation, interior trim, and finish flooring.

Additional Fee: 31.00

<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>
22A3	3 Cr	8:00AM-2:30PM	DAILY	01/03/17-03/22/17	05 100	Quinlan, Jame	

### **CONST 146 DECK CONSTRUCTION**

Introduction to outside deck construction, including types, code requirements, and safety.

Additional Fee: 31.00

<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>
22B3	3 Cr	8:00AM-2:30PM	DAILY	01/03/17-03/22/17	05 100	Quinlan, Jame	

### **CONST 150 CARPENTRY TRADES**

Introduction to trade regulations, other building trades workers, industry and standards organization, and entering the carpentry trade.

Additional Fee: 31.00

<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>
22C3	1 Cr	8:00AM-2:30PM	DAILY	01/03/17-03/22/17	05 100	Quinlan, Jame	

## **CONSTRUCTION - SUSTAINABLE BUILDING SCIENCE**

### **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: 31.00

<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>
22J3	3 Cr	8:00AM-2:30PM	DAILY	01/03/17-03/23/17	05 100	Quinlan, Jame	

### **SBS 155 SOLAR BASICS**

Introduction to the basic concepts, components, and uses of photovoltaic technology, as well as costs, benefits, and drawbacks of sustainable construction.

Additional Fee: 31.00

<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>
22K3	4 Cr	8:00AM-2:30PM	DAILY	01/03/17-03/23/17	05 100	Quinlan, Jame	

### **SBS 170 DIAGNOSTICS AND TESTING**

Overview of the equipment, technology, systems, and software used to measure a building's energy usage and loss.

Additional Fee: 31.00

<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>
22D3	3 Cr	8:00AM-2:30PM	DAILY	01/03/17-03/22/17	05 100	Quinlan, Jame	

### **SBS 175 INDOOR AIR TESTING**

An introduction to understanding and diagnosing environmental problems in residential structures, and the means for mitigating those issues.

Additional Fee: 31.00

<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>
22F3	3 Cr	8:00AM-2:30PM	DAILY	01/03/17-03/22/17	05 100	Day Jr, Rosc	

### **SBS 180 THERMOGRAPHY**

Introduction to infrared themography, its principles, and the proper operations of IR camera equipment for diagnosing problems that lead to energy loss in a building.

Additional Fee: 31.00

<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>
22G3	3 Cr	8:00AM-2:30PM	DAILY	01/03/17-03/22/17	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.

Instructor Permission required.

Additional Fee: 31.00

<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>
22H3	3 Cr	ARRANGED	ARRANGED	01/03/17-03/22/17	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>
3003	5 Cr	8:00AM-8:50AM	DAILY	01/03/17-03/22/17	03 205	Freyre, Marie	[ENHANCED]
3013	5 Cr	ARRANGED	ARRANGED	01/03/17-03/22/17	ON LINE	Freyre, Marie	[ONLINE]
3023	5 Cr	ARRANGED	ARRANGED	01/03/17-03/22/17	ON LINE	Scott, Patric	[ONLINE]
3033	5 Cr	ARRANGED	ARRANGED	01/03/17-03/22/17	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>
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3043	5 Cr	10:00AM-10:50AM DAILY		01/03/17-03/22/17	21 106	Mandley, L	[HYBRID]
3053	5 Cr	11:00AM-11:50AM DAILY		01/03/17-03/22/17	21 106	Mandley, L	[HYBRID]
3063	5 Cr	2:00PM-2:50PM DAILY		01/03/17-03/22/17	21 106	Mandley, L	[HYBRID]
3073	5 Cr	3:00PM-5:30PM MW		01/03/17-03/22/17	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 concepts of microbiology, safe handling of tools, proper dispensing of chemicals, Barbicide certification and how to prevent the spread of bacteria in a school or salon.

Additional Fee: 87.80

<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>
5303	2 Cr	7:30AM-3:00PM	TWTh	01/03/17-01/05/17	08 207	Maguire, Patr	[HYBRID]
53Q3	2 Cr	3:00PM-9:30PM	M	01/09/17-02/06/17	08 207	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: 78.00

<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>
53R3	5 Cr	3:00PM-9:30PM	Th	01/05/17-03/16/17	08 207	Chiaro, Loree	[HYBRID]
5313	5 Cr	7:30AM-3:00PM	TWThF	01/13/17-01/26/17	08 207	Maguire, Patr	[HYBRID]

### **COSMO 123 COSMETOLOGY FUNDAMENTALS**

Learn design and art principles as guidelines to assist you in achieving designs for the client. Gain skills in the consultation portion of hair design and practice good life skills and professional behaviors for salon success and effective communication.

Additional Fee: 78.00

<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>
5323	2 Cr	7:30AM-3:00PM	TWThF	01/06/17-01/12/17	08 207	Maguire, Patr	[HYBRID]
53S3	2 Cr	3:00PM-9:30PM	M	02/13/17-03/20/17	08 207	Chiaro, Loree	[HYBRID]

### **COSMO 126 HAIR DESIGN**

This hair styling course serves as a foundation in the art of dressing and arranging hair to create temporary changes to hair. Hair Design covers wet styling, thermal styling, air forming, and long hair design utilizing form and texture combined with direction and movement to create hairstyles. The practice of infection control and safety practices required by salon standards and state board regulations are also presented. Prerequisite: Successful completion of COSMO 111, COSMO 113, COSMO 119, and COSMO 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>
5203	9 Cr	0:RM-0:M	MTWTh	01/24/17-02/23/17	WCC128	Frink, Barb	

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

Additional Fee: 78.00

<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>
53T3	14 Cr	3:00PM-9:30PM	TWTh	01/03/17-03/22/17	08 207	Chiaro, Loree	[HYBRID]
5333	14 Cr	7:30AM-3:30PM	TWThF	01/27/17-03/22/17	08 207	Maguire, Patr	[HYBRID]

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

Presents advanced skills and techniques that enable students to remain current with haircutting trends. Procedures and theory are reinforced to achieve desired effect. Infection control principles and practices are reinforced. Prerequisite(s): Successful completion of COSMO 136.

Additional Fee: 97.60

<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>
53U3	4 Cr	3:00PM-9:30PM	T	01/03/17-03/07/17	08 207	Chiaro, Loree	[HYBRID]
5343	4 Cr	7:30AM-3:00PM	ThF	01/05/17-01/27/17	08 205	Ganyon, Miche	[HYBRID]

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

Presents the three main concepts of chemical texturizing: perming, relaxing with chemicals, and reforming curls. This course covers the theory of chemical texturizing, 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.

Instructor Permission required.

Additional Fee: 107.40

<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>
53X3	6 Cr	3:00PM-9:30PM	T	01/03/17-03/21/17	08 207	Chiaro, Loree	[HYBRID]
53A3	6 Cr	7:30AM-3:00PM	WThF	01/04/17-01/25/17	08 205	Frederick, Sa	[HYBRID]

### **COSMO 156 HAIR COLORING**

Covers concepts of basic color theory, identifying existing hair color, and changing existing hair color. Students will study the law of color, the color wheel, fields, tone, and levels of hair color. Related topics include coloring techniques, safe and sanitary application of color, infection control, and techniques to achieve desired results of hair coloring. Prerequisite: Successful completion of COSMO 111, COSMO 113, COSMO 119 and COSMO 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>
5213	6 Cr	8:30AM-4:00PM	MTWTh	01/03/17-01/23/17	WCC128	Frink, Barb	

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

Introduces the creative artistry of color through the study of color theory, the color wheel, basic color applications and techniques, and basic formulation. Prerequisite(s): Successful completion of COSMO 116, COSMO 123, and COSMO 136.

Additional Fee: 78.00

<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>
53V3	7 Cr	3:00PM-9:30PM	MT	01/09/17-03/21/17	08 207	Chiaro, Loree	[HYBRID]
5353	7 Cr	7:30AM-3:00PM	ThF	02/02/17-03/17/17	08 205	Ganyon, Miche	[HYBRID]

### **COSMO 161 LAB CLINIC I**

Hands-on learning experience in Clover Park Technical College's student clinic. The learner will practice the skills of Design Decisions, Hair Sculpting, and various hair styling techniques on clients. All related safety and sanitation measures will be followed. Prerequisite: Successful completion of COSMO 111, COSMO 114, COSMO 119 and COSMO 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>
5223	6 Cr	8:30AM-4:00PM	MTWTh	02/23/17-03/22/17	WCC128	Frink, Barb	

### **COSMO 163 LAB CLINIC I**

Experience hands-on learning in a realistic salon setting. Fundamental and developing skills are reinforced and expanded as students provide services on live models/clients in CPTC's cosmetology clinic. Effective client/student interaction will be practiced. Prerequisite(s): Successful completion of COSMO 164 and COSMO 158, or instructor approval.

Additional Fee: 92.00

<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>
5373	9 Cr	7:30AM-3:00PM	TWTh	01/27/17-03/22/17	08 CL#2	Klug, Denise	

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

Expand skills and knowledge by offering services to live models/clients in CPTC's student clinic, a realistic salon environment. This course reinforces skills learned within the Cosmetology program and provides practice in advanced hairstyling and haircutting. Prerequisite(s): Successful completion of COSMO 112, COSMO 116, COSMO 123, and COSMO 136.

Additional Fee: 92.00

<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>
5363	8 Cr	7:30AM-3:00PM	TW	01/03/17-03/22/17	08 CL#1	Ganyon, Miche	
53W3	8 Cr	3:00PM-9:30PM	WThF	01/04/17-03/22/17	08 CL#2	Chiaro, Loree	

### **COSMO 171 LAB CLINIC III**

Instructor Permission required.

Additional Fee: 92.00

<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>
53Y3	8 Cr	3:00PM-9:30PM	WThF	01/04/17-03/22/17	08 207	Chiaro, Loree	
53B3	8 Cr	7:30AM-3:00PM	WThF	01/26/17-03/22/17	08 205	Frederick, Sa	

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

This course introduces the topics of salon business, going in to business for yourself, operating a successful salon, and building your business. Topics include identifying options for going into business for yourself, basic factors to consider when opening a salon, business plans, the importance of record keeping, elements of successful salon operations, and why selling services and products is a vital aspect of a salon's success. Prerequisite(s): Successful completion of COSMO 112, COSMO 116, COSMO 123, COSMO 136, COSMO 142, COSMO 158, and COSMO 164 or instructor approval.

Instructor Permission required.

Additional Fee: 78.00

<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>
53Z3	3 Cr	3:00PM-9:30PM	M	01/09/17-02/13/17	08 207	Chiaro, Loree	
53C3	3 Cr	7:30AM-3:00PM	T	02/28/17-03/21/17	08 205	Frederick, Sa	[HYBRID]

### **COSMO 181 ARTIFICIAL HAIR**

Provides an overview of basic alternatives in artificial hair products and services. Students learn application and removal techniques and select appropriate forms of attachment to achieve intended outcomes. Prerequisite(s): Successful completion of COSMO 172 or instructor approval.

Additional Fee: 87.80

<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>
5383	2 Cr	7:30AM-10:00AM	Th	03/02/17-03/16/17	08 208	Klug, Denise	[HYBRID]

### **COSMO 182 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. Develop skills in safety and sanitation associated with nail care. Topics include basic nail theory, nail disease, disorders, and anatomy of the

hands. 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.

Instructor Permission required.

Additional Fee: 78.00

<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>
53D3	4 Cr	7:30AM-3:00PM	T	01/03/17-02/21/17	08 205	Frederick, Sa	[HYBRID]
53AA	4 Cr	3:00PM-9:30PM	MW	02/15/17-03/22/17	08 207	Chiaro, Loree	

### **COSMO 226 ADVANCED HAIR COLORING**

Reinforce skills and learn the rationale for advanced hair-color techniques. Students will use current trend applications and corrective techniques. Students will determine and implement all aspects of hair coloring. Prerequisite(s): Successful completion of COSMO 158 and COSMO 172, or instructor approval.

Additional Fee: 78.00

<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>
5393	8 Cr	7:30AM-10:00AM	WTh	01/04/17-02/23/17	08 208	Klug, Denise	[HYBRID]

### **COSMO 228 CLOVER PARK PRACTICAL PREPARATION**

Prepares the student to take the Washington State practical skills exam. Topics of safety and sanitation, hair design, hair sculpting, chemical texturizing, hair coloring, skin care, and nail care will be reviewed.

Prerequisite: Successful completion of COSMO 170.

Additional Fee: 92.70

<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>
53F3	3 Cr	7:30AM-3:00PM	T	01/03/17-01/31/17	08 205	Lind, Connie	[HYBRID]

### **COSMO 230 LAB CLINIC IV**

Hands-on learning experience in Clover Park Technical College's student clinic. The learner will continue skills applied in Lab Clinic 1, 2, and 3, in addition to artificial hair services, advanced hair sculpture and advanced chemical texturizing techniques. Prerequisite: Successful completion of COSMO 170.

Additional Fee: 92.00

<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>
53G3	9 Cr	0:RM-0:M	WThF	01/04/17-03/22/17	08 CL#4	Lind, Connie	

### **COSMO 235 STATE BOARD WRITTEN TEST REVIEW**

Prepares the student to take the written component of the Washington State skills exam. Industry vocabulary, practices, and procedures will be reviewed in the areas of trichology, salon ecology, hair design, hair sculpting, chemical texturizing and hair coloring, skin, and nail care. Prerequisite: Successful completion of COSMO 228.

Additional Fee: 78.00

<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>
53H3	4 Cr	7:30AM-3:00PM	T	02/14/17-03/21/17	08 205	Lind, Connie	[HYBRID]

### **COSMO 243 CAPSTONE**

Additional Fee: 78.00

<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>
53J3	6 Cr	11:30AM-3:00PM	T	01/31/17-03/21/17	08 205	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.

Instructor Permission required.

Additional Fee: 92.00

<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>
53K3	1 Cr	ARRANGED	ARRANGED	01/03/17-03/22/17	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.

Instructor Permission required.

Additional Fee: 92.00

<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>
53L3	2 Cr	ARRANGED	ARRANGED	01/03/17-03/22/17	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.

Instructor Permission required.

Additional Fee: 92.00

<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>
53M3	3 Cr	ARRANGED	ARRANGED	01/03/17-03/22/17	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.

Instructor Permission required.

Additional Fee: 92.00

<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>
53N3	4 Cr	ARRANGED	ARRANGED	01/03/17-03/22/17	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. Prerequisite(s): Instructor approval. 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.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
5233	5 Cr	0:RM-0:M	MTWTh	01/03/17-03/22/17	WCC128	Frink, Barb	
53P3	5 Cr	ARRANGED	ARRANGED	01/03/17-03/22/17	ARR	Lind, Connie	

## **CULINARY ARTS**

**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 dish washing and basic food preparation, reading and following standardized recipes, along with deli operations and station organization.

Instructor Permission required.

Additional Fee: 130.00

<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>
3203	7 Cr	9:15AM-1:30PM	WThF	01/04/17-03/17/17	31 100	Massey, Richa	

### **CUL 113 INTRODUCTION TO BAKING**

Introduces students to the fundamentals of baking and to scientific principles. Students will learn different mixing and production methods in producing quick breads, pastries, cakes, pies, soufflé, mousses, and custards.

Instructor Permission required.

Additional Fee: 144.70

<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>
3233	3 Cr	9:00AM-2:00PM	MT	01/03/17-02/07/17	31 100	Massey, Richa	[HYBRID]

### **CUL 117 PROFESSIONAL COOKING II**

Covers the procedures and techniques of sauces and stocks. Students will learn how to prepare a variety of classic hot and cold sauces, use thickening agents properly, recognize and classify sauces and prepare a variety of stocks.

Instructor Permission required.

Additional Fee: 164.30

<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>
3223	7 Cr	7:00AM-9:00AM	DAILY	01/03/17-03/21/17	31 100	Massey, Richa	[HYBRID]

### **CUL 119 FOOD PREPARATION II**

Provides practice in the fundamental techniques related to hot food cooking. Students will perform specific competencies to develop their proficiency in techniques and the science of cooking. Topics that will be covered are pasta, potatoes, and grain cookery.

Instructor Permission required.

Additional Fee: 144.70

<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>
3243	3 Cr	9:00AM-2:00PM	MT	02/13/17-03/21/17	31 100	Massey, Richa	[HYBRID]

### **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: 130.00

<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>
3213	7 Cr	9:15AM-1:30PM	WThF	01/04/17-03/17/17	31 100	Massey, Richa	

### **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: 130.00

<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>
3253	7 Cr	9:15AM-1:30PM	WThF	01/04/17-03/17/17	31 100	Massey, Richa	

## **DENTAL ASSISTANT**

### **DAS 120 DENTAL SCIENCES II**

Explores the general characteristics and uses of dental materials, and covers oral pathology conditions in the oral cavity. This course is also designed to provide the necessary information to accurately identify each of the body's systems, and functions, and how they interact with each other. The student will explore the structures of the head and oral cavity. Prerequisite(s): Students must successfully complete DAS 103, 105, 110, 113, 116, and 118 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>
7703	5 Cr	12:00PM-2:00PM	TTh	01/03/17-03/21/17	21 109	Wirth, R	[HYBRID]

### **DAS 125 DENTAL ASSISTING SKILLS II**

Introduces students to advanced study model principles, coronal polish and fluoride treatments, and advanced moisture control, including the application of rubber dams, intermediate charting, and dental instruments and hand pieces. Prerequisite(s): Students must successfully complete DAS 103, 105, 110, 113, 116, and 118 prior to continuing in the Dental Assisting 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>
7713	6 Cr	10:30AM-11:30AM	M	01/09/17-01/23/17	21 109	Wirth, R	[HYBRID]

### **DAS 130 DENTAL SPECIALITIES I**

Explores in depth the dental specialties of endodontics, orthodontics, and periodontics. This course introduces the students to periodontal charting. Prerequisite(s): Students must successfully complete DAS 103, 105, 110, 113, 116, and 118 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>
7723	3 Cr	1:30PM-3:00PM	W	01/04/17-03/22/17	21 109	Wirth, R	[HYBRID]

### **DAS 135 PRINCIPLES OF RADIOGRAPHY II**

Introduces students to intraoral and extraoral radiographic imaging, legal issues associated with radiography, and manual and automatic processing techniques. Prerequisite(s): Students must successfully complete DAS 103, 105, 110, 113, 116, and 118 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>
7733	5 Cr	12:00PM-1:30PM	W	01/04/17-03/22/17	21 109	Wirth, R	[HYBRID]

### **DAS 140 CERTIFICATION REVIEW I**

Prepares students to take the Infection Control Exam through the Dental Assistant National Board. Prerequisite(s): Students must successfully complete DAS 103, 105, 110, 113, 116, and 118 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>
7743	1 Cr	ARRANGED	ARRANGED	01/03/17-03/22/17	ON LINE	Wirth, R	[ONLINE]

### **DAS 239 CLINICAL EXPERIENCE II**

Provides Dental Assistant students with the opportunity to use the advanced skills and information acquired in DAS 103-237. Students will spend 270 hours rotating through a minimum of two private offices or dental clinics. Prerequisite(s): Student must successfully complete DAS 103, 105, 110, 113, 116, 118, 120, 125, 130, 135, 140, 223, 224, 226, 228, and 237, Infection Control certification, all college-level general education courses, and the Radiation Health & Safety component 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>
7753	Var	ARRANGED	ARRANGED	01/03/17-03/22/17	ARR	Lewandowski	[HYBRID]

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

DAS 243 CERTIFICATION REVIEW III 1CR Prepares the student 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 will 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.

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>
7773	Var	ARRANGED	ARRANGED	01/03/17-03/22/17	ARR	Lewandowski	[HYBRID]

### **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>
7783	4 Cr	ARRANGED	ARRANGED	01/03/17-03/22/17	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 Dentrax Dental Software to learn and practice dental charting, scheduling & recall procedures. 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>
7793	5 Cr	ARRANGED	ARRANGED	01/03/17-03/22/17	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>
77A3	4 Cr	ARRANGED	ARRANGED	01/03/17-03/22/17	ON LINE	Wirth, R	[ONLINE]

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

Provides expanded Dentrax software skills to students with basic Dentrax 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>
77B3	2 Cr	ARRANGED	ARRANGED	01/03/17-03/22/17	ON LINE	Wirth, R	[ONLINE]

## **DIGITAL ENTERTAINMENT DESIGN AND PRODUCTION**

## **EARLY CARE AND EDUCATION**

### **ECE 120 INTERPERSONAL SKILLS FOR THE ECE PROFESSIONAL**

Covers human relations roles and workplace skills. Roles and information on balancing individual technical skills with human relations and competencies will be discussed.

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>
4103	2 Cr	5:30PM-8:30PM	Th	01/05/17-02/23/17	10 111	Chase-Deitri	

### **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>
4113	2 Cr	5:00PM-6:00PM	M	01/09/17-03/20/17	10 111	Colombini, Li	

### **ECE 135 SCHOOL AGE MATH, SCIENCE, AND TECHNOLOGY**

Explore the different aspects of the school age curriculum in science, math, and technology.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4123	3 Cr	ARRANGED	ARRANGED	01/25/17-03/21/17	ON LINE	Kaasa, Meliss	[ONLINE]

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

Provides the student with the opportunity for practical field experience with a sustainable practices or ½green; ½ 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>
4133	3 Cr	5:00PM-6:00PM	M	01/09/17-03/20/17	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>
4143	3 Cr	5:00PM-6:00PM	M	01/09/17-03/20/17	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>
4153	3 Cr	5:00PM-6:00PM	M	01/09/17-03/20/17	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>
4163	3 Cr	5:00PM-6:00PM	M	01/09/17-03/20/17	10 111	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>
4183	3 Cr	6:00PM-9:00PM	T	01/03/17-03/07/17	10 111	Holland-Oher	
4173	3 Cr	ARRANGED	ARRANGED	01/25/17-03/21/17	ON LINE	Felch, Linda	[ONLINE]

### **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>
4193	Var	6:00PM-10:15PM	W	01/04/17-03/22/17	10 205	Lockhart, Sal	

### **ECED& 132 INFANTS AND TODDLERS - NURTURING CARE**

Examine the unique developmental needs of infants and toddlers. Study the role of the caregiver, relationships with families, developmentally-appropriate practices, nurturing environments for infants and toddlers, and culturally relevant care.

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>
41A3	5 Cr	6:00PM-9:30PM	Th	01/05/17-03/16/17	10 205	Lockhart, Sal	[HYBRID]

### **ECED& 180 LANGUAGE AND LITERACY DEVELOPMENT**

Develop teaching strategies for language acquisition and literacy skill development at each developmental stage (birth through age 8) through the four interrelated areas of speaking, listening, writing, and reading.

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>
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41B3 3 Cr 6:00PM-9:00PM M 01/09/17-03/20/17 10 111 Felch, Linda [HYBRID]

### **ECS 183 PRACTICUM III**

Provides practical field experience. Students work at community Child Care Centers or the campus Child Development Center allowing them to apply classroom study to on-the-job situations. Includes a scheduled seminar.

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>
41C3	5 Cr	4:00PM-5:00PM	M	01/09/17-03/20/17 10 111		Colombini, Li	

### **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>
41D3	3 Cr	5:00PM-6:00PM	M	01/09/17-03/20/17 10 111		Colombini, Li	

### **ECS 220 CURRICULUM FOR SCHOOL AGE**

Focuses on curriculum suitable for the development of school-age children.

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>
41F3	2 Cr	ARRANGED	ARRANGED	01/25/17-03/21/17	ON LINE	Felch, Linda	[ONLINE]

### **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>
41G3	3 Cr	5:00PM-6:00PM	M	01/09/17-03/20/17 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>
41H3	2 Cr	5:00PM-6:00PM	M	01/09/17-03/20/17 10 111		Colombini, Li	

### **ECS 277 PROFESSIONALISM**

Examines NAEYC's Code of Ethical Conduct. Includes determining an Early Childhood professional's responsibilities to children, families, colleagues, and the community, utilizing frameworks for ethical decision-making and exploration of personal and professional growth.

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>
41J3	2 Cr	6:00PM-9:00PM	W	01/04/17-02/22/17 10 111		Edmondson, Re	

### **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>
41K3	3 Cr	5:00PM-6:00PM	M	01/09/17-03/20/17 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>
41L3	3 Cr	5:00PM-6:00PM	M	01/09/17-03/20/17	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>
41M3	3 Cr	5:00PM-6:00PM	M	01/09/17-03/20/17	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>
41N3	3 Cr	5:00PM-6:00PM	M	01/09/17-03/20/17	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>
5803	7 Cr	7:30AM-3:00PM	DAILY	01/03/17-03/22/17	14 213	Gordon, James	

### **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>
5813	7 Cr	7:30AM-3:00PM	DAILY	01/03/17-03/22/17	14 213	Gordon, James	

### **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>
5823	7 Cr	7:30AM-3:00PM	DAILY	01/03/17-03/22/17	14 213	Gordon, James	

### **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>
5833	7 Cr	7:30AM-3:00PM	DAILY	01/03/17-03/22/17	14 213	Gordon, James	

### **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>
5843	7 Cr	7:30AM-3:00PM	DAILY	01/03/17-03/22/17	14 213	Gordon, James	

### **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>
5853	7 Cr	7:30AM-3:00PM	DAILY	01/03/17-03/22/17	14 213	Gordon, James	

### **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>
5863	6 Cr	7:30AM-3:00PM	DAILY	01/03/17-03/22/17	14 213	Gordon, James	

### **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>
5873	6 Cr	7:30AM-3:00PM	DAILY	01/03/17-03/22/17	14 213	Gordon, James	

### **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>
5883	7 Cr	7:30AM-3:00PM	DAILY	01/03/17-03/22/17	14 213	Gordon, James	

### **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>
5893	2 Cr	7:30AM-3:00PM	DAILY	01/03/17-03/22/17	14 213	Gordon, James	

### **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>
58A3	7 Cr	7:30AM-3:00PM	DAILY	01/03/17-03/22/17	14 213	Gordon, James	

### **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>
58B3	7 Cr	7:30AM-3:00PM	DAILY	01/03/17-03/22/17	14 213	Gordon, James	

### **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>
58C3	7 Cr	7:30AM-3:00PM	DAILY	01/03/17-03/22/17	14 213	Gordon, James	

### **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>
58D3	7 Cr	7:30AM-3:00PM	DAILY	01/03/17-03/22/17	14 213	Gordon, James	

### **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 ½s 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>
58F3	7 Cr	7:30AM-3:00PM	DAILY	01/03/17-03/22/17	14 213	Gordon, James	

### **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 ½s 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>
58G3	7 Cr	7:30AM-3:00PM	DAILY	01/03/17-03/22/17	14 213	Gordon, James	

## **ENGLISH**

### **ENG 082 BASIC READING AND WRITING**

Introduces and develops basic reading and writing skills. Focus in on writing proper sentences and sound paragraphs which 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 comprehension and increase vocabulary for college level reading requirements. Prerequisite: Appropriate COMPASS/SLEP placement scores. Prerequisite(s): Appropriate COMPASS (41 in reading, 13 in writing) placement score.

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	5 Cr	8:00AM-8:50AM	MTW	01/03/17-03/22/17	16 116	Mollas, Tula	[HYBRID]
5W02	5 Cr	1:00PM-1:50PM	MTW	01/03/17-03/22/17	16 116	Mollas, Tula	[HYBRID]
5W03	5 Cr	2:00PM-2:50PM	DAILY	01/03/17-03/22/17	16 202	Schwarder, C	[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.

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>
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5W04	5 Cr	7:30AM-9:50AM	MW	01/03/17-03/21/17	16 205	Schwarder, C	[HYBRID]
5W05	5 Cr	11:00AM-11:50AM	DAILY	01/03/17-03/22/17	17 240	Martindale, K	[ENHANCED]
5W06	5 Cr	10:00AM-10:50AM	DAILY	01/03/17-03/22/17	16 205	Schwarder, C	[ENHANCED]
5W07	Var	1:00PM-3:20PM	MW	01/03/17-03/22/17	17 230	Heath, Terry	[ENHANCED]
5W08	5 Cr	3:00PM-3:50PM	DAILY	01/03/17-03/22/17	16 205	Schwarder, C	[ENHANCED]

## ENG 102 COMPOSITION: ARGUMENTATION AND RESEARCH

Continues to develop student writing skills practiced in ENGL& 101 with an emphasis on writing research papers and writing argumentative/persuasive essays. Through lecture, discussion, research, collaboration, reading, and writing, students will become familiar with the types of reasoning and other classical elements of argument. Prerequisite(s): Successful completion of ENGL& 101.

Item	Cred	Hours	Days	Start-End Dates	Location	Faculty	Internet
0570	5 Cr	ARRANGED	ARRANGED	01/03/17-03/22/17	ON LINE	Heath, Terry	[ONLINE]

## 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): COMPASS (score of 77 in writing, and 81 in reading). Placement score or successful completion of ENG 094.

Additional Fee: 24.50

Item	Cred	Hours	Days	Start-End Dates	Location	Faculty	Internet
0520	5 Cr	7:30AM-9:50AM	MW	01/03/17-03/22/17	17 230	Irwin, Karen	[ENHANCED]
0521	5 Cr	7:30AM-9:50AM	TTh	01/03/17-03/22/17	16 205	Irwin, Karen	[ENHANCED]
0522	Var	10:00AM-12:20PM	MW	01/03/17-03/22/17	17 230	Heath, Terry	[ENHANCED]
0523	5 Cr	10:00AM-12:20PM	TTh	01/03/17-03/22/17	17 230	Heath, Terry	[ENHANCED]
0524	Var	2:00PM-2:50PM	TTh	01/03/17-03/21/17	17 230	Prenoveau, Su	[HYBRID]
0525	5 Cr	6:30PM-8:50PM	MW	01/03/17-03/22/17	17 230	Hoffman-Reye	[ENHANCED]
0526	Var	ARRANGED	ARRANGED	01/03/17-03/22/17	ON LINE	Martindale, K	[ONLINE]
0527	Var	ARRANGED	ARRANGED	01/03/17-03/22/17	ON LINE	Quincy, Denis	[ONLINE]
0528	Var	ARRANGED	ARRANGED	01/03/17-03/22/17	ON LINE	Irwin, Karen	[ONLINE]
0530	5 Cr	9:00AM-9:50AM	DAILY	01/03/17-03/22/17	17 240	Martindale, K	
0531	5 Cr	10:00AM-10:50AM	DAILY	01/03/17-03/22/17	17 240	Martindale, K	[HYBRID]
0571	Var	9:00AM-9:50AM	DAILY	01/03/17-03/22/17	17 240	Martindale, K	
0572	Var	10:00AM-10:50AM	DAILY	01/03/17-03/22/17	17 240	Martindale, K	
5B63	5 Cr	12:00PM-12:50PM	DAILY	01/03/17-03/22/17	14 100	Quincy, Denis	

# ENVIRONMENTAL SCIENCE

## ENV 154 SITE CHARACTERIZATION

Course focuses on providing students with a wide variety of mapping skills necessary for many phases of environmentally-related investigations. Course also will provide hands-on application of established methods for evaluation of water, soil, and air. Biological, chemical, and physical investigations in accordance with generally accepted methodologies will be studied and conducted. This will be accomplished using guided hands-on training, with a wide variety of map resources and texts.

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>
4503	4 Cr	12:00PM-1:50PM	MTW	01/03/17-03/22/17	16 102	Smith Kathy	[ENHANCED]

### **ENV 157 ENVIRONMENTAL SITE ASSESSMENT**

Includes studying potential liability associated with property transfers. Students learn and implement historical research, site investigation, liability assessment, and regulatory assessment.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4513	4 Cr	ARRANGED	ARRANGED	01/03/17-03/22/17	ON LINE	Smith Kathy	[ONLINE]

### **ENV 161 ENVIRONMENTAL LAW I**

Provides an overview of the American legal system and how the branches of government work together to create and enforce laws. Focuses on environmental legislation and case law.

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>
4523	5 Cr	9:00AM-11:20AM	MW	01/04/17-03/22/17	16 102	Smith Kathy	

### **ENV 230 RURAL TECHNOLOGIES**

Explores potential job areas in which the student might seek employment. The rural aspect examines agriculture, forestry, fish, and wildlife. Prerequisite(s): Successful completion of all ENV 100-level courses, except ENV 134.

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>
4543	4 Cr	9:00AM-2:00PM	Th	01/05/17-03/16/17	16 104	Fritz, Andrew	[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 the student gains 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 ENV 231, ENV 245, ENV 260, and ENV 270, 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>
4593	10 Cr	ARRANGED	ARRANGED	01/03/17-03/22/17	ARR	Fritz, Andrew	

### **ENV 246 ENVIRONMENTAL SCIENCE CAPSTONE**

This course 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 ENV 231, ENV 245, ENV 260, and ENV 270, 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>
45A3	2 Cr	ARRANGED	ARRANGED	01/03/17-03/22/17	ON LINE	Smith Kathy	[ONLINE]

### **ENV 248 HYDROLOGY**

Provides the basic principles of applied surface-water hydrology, ground-water hydrology, and water quality. Emphasis is placed on a watershed-based approach that uses water-quality standards to regulate surface-water quality. The concepts and principles of biologically-based water quality standards are also introduced. Covers the occurrence, movement, and quality of water beneath the earth's surface; aquifers; well-testing methods; and sampling techniques. Prerequisite(s): Successful completion of all ENV 100-level courses, except ENV 134.

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>
4573	6 Cr	10:00AM-12:00PM	WF	01/04/17-03/22/17	16 104	Fritz, Andrew	[HYBRID]

### **ENV 250 INTRODUCTION TO AIR POLLUTION & NOISE**

Provides a basic knowledge of the sources, mechanisms, and health effects of noise and atmospheric air pollution and their interaction with the weather and other climatological conditions. Methods of regulatory-required air monitoring, sampling, and data interpretation will also be introduced.

Prerequisite(s): Successful completion of all ENV 100-level courses, except ENV 134.

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>
4563	3 Cr	9:00AM-9:50AM	W	01/04/17-03/22/17	16 104	Fritz, Andrew	[HYBRID]

### **ENV 261 WATERSHED ANALYSIS**

Focuses on issues associated with timber, fish, and wildlife watershed analysis. Study various modules and make an in-depth presentation to the class using visual aids. Monitoring and analytical skills will be covered and demonstrated through the collection of field data in remote areas. Willingness to be outdoors in rough terrain is a consideration. Prerequisite(s): Successful completion of all ENV 100-level courses, except ENV 134.

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>
4553	4 Cr	9:00AM-2:00PM	T	01/03/17-03/21/17	16 104	Fritz, Andrew	[ENHANCED]

## **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: 67.00

<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>
6203	Var	1:00PM-2:00PM	DAILY	01/03/17-03/22/17	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: 67.00

<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>
6213	Var	11:30AM-12:35PM	DAILY	01/03/17-03/22/17	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: 67.00

<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>
6223	Var	11:00AM-12:00PM	DAILY	01/03/17-03/22/17	02 123	Shields, Maur	

### **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: 67.00

<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>
6233	Var	10:30AM-11:30AM	DAILY	01/03/17-03/22/17	02 123	Shields, Maur	

### **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: 67.00

<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>
6243	Var	8:30AM-9:35AM	DAILY	01/03/17-03/22/17	02 123	Shields, Maur	

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

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

Additional Fee: 67.00

<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>
6253	Var	7:30AM-8:30AM	DAILY	01/03/17-03/22/17	02 123	Shields, Maur	

### **ES 125 FACIAL PROCEDURES I**

ES 125 FACIAL PROCEDURES 4CR 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 128, ES 130, ES 132, ES 134, ES 138.

Additional Fee: 67.00

<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>
6263	4 Cr	8:00AM-2:30PM	DAILY	02/15/17-03/01/17	08 319	Whipple, Jenn	[HYBRID]

### **ES 128 TEMPORARY HAIR REMOVAL**

ES 128 TEMPORARY HAIR REMOVAL 5CR Survey of temporary hair removal, to include: contraindications methods of epilation using multiple modalities, including, but not limited to, hard wax, soft wax, and sugaring. All related safety and sanitation employed in the esthetics profession.

Additional Fee: 67.00

<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>
6273	5 Cr	8:00AM-2:30PM	DAILY	03/02/17-03/22/17	08 319	Whipple, Jenn	[HYBRID]

### **ES 130 MAKEUP APPLICATION**

History of makeup application. Course includes color theory and basic makeup application techniques. Prerequisite(s): Successful completion of ES 105, ES 110, ES 113, ES 116, ES 120, and ES 123. Co-requisites: ES 125, ES 128, ES 132, ES 134, ES 138.

Additional Fee: 67.00

<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>
6283	2 Cr	8:00AM-2:30PM	DAILY	01/09/17-01/17/17	08 319	Whipple, Jenn	[HYBRID]

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

Body treatments to include mud wraps, body scrubs, wet and dry room techniques, back treatments, and cellulite body treatments. Prerequisite(s): Successful completion of ES 105, ES 110, ES 113, ES 116, ES 120, and ES 123. Co-requisites: ES 125, ES 128, ES 130, ES 134, and ES 138.

Additional Fee: 81.00

<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>
6293	4 Cr	8:00AM-2:30PM	DAILY	02/01/17-02/14/17	08 319	Whipple, Jenn	[HYBRID]

### **ES 134 MACHINE FACIALS**

Includes indications, contraindications and safety for electrical modalities, including galvanic, high frequency, and microcurrent. Prerequisite(s): Successful completion of ES 105, ES 110, ES 113, ES 116, ES 120, and ES 123. Co-requisites: ES 125, ES 128, ES 130, ES 132, ES 138.

Additional Fee: 81.00

<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>
62A3	4 Cr	8:00AM-2:30PM	DAILY	01/18/17-01/31/17	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 125, ES 128, ES 130, ES 132, ES 134, and ES 138. Co-requisites: ES 140, ES 143141, ES 145, ES 152, ES 159.

Additional Fee: 81.00

<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>
62C3	4 Cr	9:00AM-3:30PM	DAILY	01/12/17-01/26/17	08 325	Sorensen, Kar	[HYBRID]

### **ES 137 SPA CLINIC OPERATIONS**

Additional Fee: 67.00

<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>
62B3	1 Cr	8:00AM-2:30PM	TWThF	01/03/17-01/09/17	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 138. Co-requisites: ES 136, ES 141, ES 145, ES 152, and ES 159.

Additional Fee: 81.00

<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>
62D3	7 Cr	0:RM-0:M	DAILY	01/03/17-03/22/17	08 325	Sorensen, Kar	

### **ES 145 CORRECTIVE CONCEALING MAKEUP**

Theory and application of corrective and concealing techniques for makeup applications. Prerequisite(s): Successful completion of ES 125, ES 128, ES 130, ES 132, ES 134, and ES 138. Co-requisites: ES 136, ES 140, ES 143141, ES 152 and ES 159.

Additional Fee: 81.00

<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>
62F3	3 Cr	9:00AM-3:30PM	DAILY	01/03/17-01/11/17	08 325	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 152, and ES 159. Co-requisites: ES 158, ES 150, ES 153, ES 154, and ES 157.

Additional Fee: 67.00

<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>
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62J3 5 Cr 9:00AM-3:30PM DAILY 01/03/17-03/22/17 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 141, ES 145, ES 152, and ES 159. Co-requisites: ES 149, ES 153, ES 154, ES 157, and ES 158.

Additional Fee: 67.00

<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>
62K3	2 Cr	9:00AM-3:30PM	DAILY	01/13/17-01/24/17	08 327	Siedlicki, M	[HYBRID]

### **ES 154 ADVANCED SKIN CARE AND MASSAGE TECHNIQUES**

157This course includes advanced modalities of skin care, including MLD and other industry-related techniques. Prerequisite(s): Successful completion of ES 136, ES 140, ES 143, ES 146, ES 152, and ES 159. Co-requisites: ES 158, ES 149, ES 150, ES 155, ES 157.

Additional Fee: 67.00

<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>
62L3	5 Cr	9:00AM-3:30PM	DAILY	01/03/17-03/22/17	08 327	Siedlicki, M	
62G3	5 Cr	0:RM-0:M	DAILY	02/01/17-03/22/17	08 325	Sorensen, Kar	[HYBRID]

### **ES 155 ADVANCED COSMETIC CHEMISTRY**

Additional Fee: 67.00

<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>
62M3	4 Cr	9:00AM-3:30PM	DAILY	02/14/17-02/27/17	08 327	Siedlicki, M	

### **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 141, ES 145, ES 152, and ES 159. Co-requisites: ES 149, ES 150, ES 153, ES 154, and ES 158.

Additional Fee: 67.00

<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>
62N3	2 Cr	9:00AM-3:30PM	DAILY	02/28/17-03/08/17	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 141, ES 145, ES 152, and ES 159. Co-requisites: ES 149, ES 150, ES 153, ES 154, and ES 157.

Additional Fee: 67.00

<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>
62P3	2 Cr	0:RM-0:M	DAILY	03/09/17-03/22/17	08 327	Siedlicki, M	[HYBRID]

### **ES 159 INTRO TO BUSINESS PLANNING & PROFESSIONAL DEVELO**

This course introduces the learner to outlining business plans by obtaining demographics, researching profit and loss statements, and outlining startup costs. Prerequisite(s): Successful completion of ES 125, ES 128, ES 130, ES 132, ES 134, and ES 138. Co-requisites: ES 136, ES 140, ES 141, ES 145, and ES 152.

Additional Fee: 67.00

<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>
62H3	1 Cr	9:00AM-3:30PM	DAILY	01/27/17-01/31/17	08 325	Sorensen, Kar	[HYBRID]

### **ES 202 ADVANCED ESTHETIC THEORY**

Covers advanced anti-aging modalities of skin care. Students will learn and practice advanced and

holistic practices of face and body to benefit both themselves and their clients. Prerequisite(s): Valid Washington State Esthetics License.

Instructor Permission required.

Additional Fee: 67.00

<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>
62Q3	2 Cr	4:00PM-9:30PM	MTWTh	01/03/17-01/11/17	08 327	Staff	

### **ES 204 WOUND HEALING/INFLAMMATION IN ESTHETICS**

Course covers the theory and application process of how wound healing occurs with advanced modalities and the use of proper ingredients in skin care products to reduce effects of aggressive treatments. Prerequisite(s): Valid Washington State Esthetics License.

Instructor Permission required.

Additional Fee: 67.00

<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>
62R3	2 Cr	4:00PM-9:30PM	MTWTh	01/12/17-01/25/17	08 327	Staff	[HYBRID]

### **ES 206 ADVANCED COSMETIC CHEMISTRY**

In-depth study of cosmetic chemicals and product knowledge. Research papers produced consisting of chemical products, ingredients, and contraindications that may occur during an esthetic treatment.

Prerequisite(s): Valid Washington State Esthetics License.

Instructor Permission required.

Additional Fee: 67.00

<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>
62S3	2 Cr	4:00PM-9:30PM	MTWTh	01/26/17-02/06/17	08 327	Staff	

### **ES 208 ADVANCED EXFOLIATION PROCEDURES**

Course covers the theory and application of multiple advanced exfoliation techniques as they pertain to esthetic skin care practices.

Instructor Permission required.

Additional Fee: 67.00

<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>
62T3	4 Cr	4:00PM-9:30PM	MTWTh	02/07/17-02/27/17	08 327	Staff	

### **ES 210 ADVANCED CLINICAL APPLICATIONS I**

Course covers realistic training in our student-run clinic, incorporating the point of sale, dispensary, laundry, spa and clinical operations, retail sales, and clinic management. Services will include every aspect of an exemplar esthetics practice and advanced modalities performed in a safe and sanitary manner. Prerequisite(s): Valid Washington State Esthetics License.

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>
62U3	3 Cr	4:00PM-9:30PM	MTWTh	02/28/17-03/16/17	08 327	Staff	

# **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.

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>
MQ73	3 Cr	7:30AM-3:00PM	MTWTh	01/03/17-03/22/17	19 118	Chinn, Bradle	[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.

Additional Fee: 49.50

<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>
MQ83	5 Cr	7:30AM-3:00PM	MTWTh	01/03/17-03/22/17	19 118	Chinn, Bradle	

### **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.

Additional Fee: 49.50

<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>
MQ93	5 Cr	7:30AM-3:00PM	MTWTh	01/03/17-03/22/17	19 118	Chinn, Bradle	

### **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.

Additional Fee: 49.50

<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>
MQA3	5 Cr	7:30AM-3:00PM	MTWTh	01/03/17-03/22/17	19 118	Chinn, Bradle	

## **GRAPHIC TECHNOLOGIES**

### **GTC 149 DIGITAL IMAGING II**

Builds on the fundamentals of PhotoShop and introduces advanced imagery to include blending, advanced layers, advanced selections, vector tools, filters, and tonal correction. Prerequisite(s): Successful completion of GTC 130 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>
8543	5 Cr	9:00AM-5:00PM	W	01/04/17-03/22/17	11 154	Ritzen, Drew	

### **GTC 164 PREPRESS I**

Students will learn how to create, edit, and manipulate PDF files; combine files into portfolios; and secure PDF documents. They will also learn how to work with many of the advanced features of Adobe Acrobat, including OCR text recognition, pre-flight, print production tasks, touch-up and commenting, proofing, live review, and collaboration.

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>
8553	5 Cr	9:00AM-5:00PM	M	01/09/17-03/20/17	11 154	Ritzen, Drew	

### **GTC 169 INTRODUCTION TO VECTOR-BASED ILLUSTRATION SOFTWARE**

Vector-based software, tools and features will be used to create text and logos, apply image effects and design web graphics. The course incorporates branding and identifiers when designing products and enables students to design for both print and web.

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>
8503	5 Cr	9:00AM-5:00PM	T	01/03/17-03/21/17	11 158	Owens, Darryl	

### **GTC 174 INDESIGN I**

Covers InDesign techniques as performed on Macintosh computers. Students will create files for electronic output and create documents using color and color separations for creating ads, brochures, menus, and other documents. Course explores PDF files, EPS files and production work. Prerequisite(s): Successful completion of GTC 143 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>
8513	5 Cr	9:00AM-5:00PM	Th	01/05/17-03/16/17	11 158	Owens, Darryl	

### **GTC 203 PREFLIGHT**

Use applications on the Macintosh computer to create high-level graphics, images, logos, and projects in color. Perform graphic manipulation, computer output, PDF formats, and postscript files. Prerequisite(s): Successful completion of GTC 223, 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>
8523	5 Cr	9:00AM-5:00PM	W	01/04/17-03/22/17	11 158	Owens, Darryl	

### **GTC 225 ADVANCED PAGE LAYOUT PRINCIPLES**

Students will apply advanced page layout techniques using industry-standard software to produce files for output. Covers the creation of preflight and package press-ready files. Also includes outputting composite and separations to postscript and imposing jobs for output service provider. Prerequisite(s): Successful completion of GTC 276, GTC 209, 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>
8533	5 Cr	9:00AM-5:00PM	M	01/09/17-03/20/17	11 158	Owens, Darryl	

### **GTC 254 CAPSTONE CLASS**

Preparation of personal job-hunting package of student's chosen specialty within the graphic technologies program, including industry research, business cards, cover letters, envelopes, resumes, personal sales pitches, and portfolios. Prerequisite(s): Successful completion of GTC 223 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>
8563	5 Cr	9:00AM-5:00PM	T	01/03/17-03/21/17	11 154	Moyer, John	

## **GTC 264 PAPER, PRICING, AND ESTIMATING**

Explores paper choices and cost within the printing industry. Students will learn to estimate both materials and time for various printing processes.

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>
8573	5 Cr	9:00AM-5:00PM	Th	01/05/17-03/16/17	11 154	Moyer, John	

# **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. Prerequisite(s): Successful completion of HUC 116.

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>
8113	3 Cr	3:00PM-10:00PM	TWTh	01/03/17-03/22/17	21 105	Perez, Joylen	[ENHANCED]

## **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 the student 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.

Additional Fee: 128.40

<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>
8103	6 Cr	3:00PM-10:00PM	DAILY	01/03/17-03/22/17	21 105	Perez, Joylen	[ENHANCED]

## **HUC 112 UNIT COORDINATOR TASKS & PROCEDURES II**

Focuses on cognitive knowledge and performance skills in the computer laboratory. The student 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): HUC 108, HUC 106, HUC 114, HUC 113, and HUC 120.

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>
8153	4 Cr	8:00AM-2:45PM	MThF	01/03/17-03/22/17	21 105	Briggs, Marla	[ENHANCED]

## **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. The student will also be given the tools for developing and practicing assertive communication, interpersonal relationships and confidentiality skills.

Prerequisite(s): Successful completion of HUC 108.

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>
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8163 1 Cr 8:00AM-2:45PM DAILY 01/03/17-03/22/17 21 105 Briggs, Marla [ENHANCED]

### **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 student's performance in the computer-skill laboratory, demonstrating their cognitive knowledge for maintaining medical records; ordering laboratory and diagnostic exams; accurately transcribing physician's 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. Prerequisite(s): HUC 108; enrollment in HUC 106.

Additional Fee: 110.30

<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>
8123	7 Cr	3:00PM-10:00PM	M	01/03/17-03/22/17	21 105	Perez, Joylen	[ENHANCED]

### **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 108, HUC 106, HUC 114, HUC 113 and HUC 120.

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>
8173	2 Cr	8:00AM-2:45PM	MTTh	01/03/17-03/22/17	21 105	Briggs, Marla	[ENHANCED]

### **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. Prerequisite(s): HUC 108; enrollment in HUC 106, HUC 114 and HUC 113.

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>
8133	3 Cr	3:00PM-10:00PM	W	01/03/17-03/22/17	21 105	Perez, Joylen	[ENHANCED]

### **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 113 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>
8183	3 Cr	8:00AM-2:45PM	TW	01/03/17-03/22/17	21 105	Briggs, Marla	[ENHANCED]

### **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 108, HUC 106, HUC 114, HUC 113, and HUC 120; enrollment in HUC 112, 118, and 122.

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>
8193	2 Cr	8:00AM-2:45PM	WF	01/03/17-03/22/17	21 105	Briggs, Marla	[ENHANCED]

## **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, HUC 113, HUC 120, HUC 112, 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>
81A3	7 Cr	8:00AM-2:45PM	DAILY	01/03/17-03/22/17	21 105	Briggs, Marla	[HYBRID]

## **HUC 204 ECG MONITOR TECHNICIAN**

This course will examine 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>
8143	3 Cr	6:15PM-9:15PM	TWThF	01/10/17-02/07/17	21 105	Perez, Joylen	[ENHANCED]

# **HEATING/VENTILATION/AIR CONDITIONING**

## **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 using electrical measuring instruments. Co-requisites: HAC 105, HAC 120, HAC 160, HAC 162, HAC 164, HAC 167. 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>
1803	5 Cr	7:00AM-1:45PM	DAILY	01/03/17-03/22/17	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 160, HAC 162, HAC 164, HAC 167 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>
1813	4 Cr	7:00AM-1:45PM	DAILY	01/03/17-03/22/17	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 160, HAC 162, HAC 164, HAC 167 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>
1823	4 Cr	7:00AM-1:45PM	DAILY	01/03/17-03/22/17	25 202	Barton, Rich	[ENHANCED]

### **HAC 160 SIEMENS CONTROLS**

Serves as an introduction to the concepts of direct digital controls (DDC). The course is a generic approach to understanding DDC terminology, the fundamentals of today's new building control systems, how they work, features, and troubleshooting. Co-requisites: HAC 102, HAC 105, HAC 120, HAC 160, HAC 164, HAC 167.

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>
1833	2 Cr	7:00AM-1:45PM	DAILY	01/03/17-03/22/17	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 160, HAC 164, HAC 167 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>
1843	4 Cr	7:00AM-1:45PM	DAILY	01/03/17-03/22/17	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 160, HAC 162, HAC 167 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>
1853	3 Cr	7:00AM-1:50PM	DAILY	01/03/17-03/22/17	25 202	Barton, Rich	[ENHANCED]

### **HAC 167 GREEN AWARENESS**

When it comes to HVAC/R electrical, "green" means maximizing the energy efficiency of existing equipment, specifying the most efficient systems available for the application and the available budget using renewable and sustainable fuel sources, and conserving water. This course discusses those items, along with the core knowledge of energy management and analysis, green heating, ventilation, air conditioning, refrigeration, electrical generation and consumption, and "green" plumbing. Co-requisites: HAC 102, HAC 105, HAC 120, HAC 160, HAC 162, HAC 164.

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>
1863	3 Cr	7:00AM-1:45PM	DAILY	01/03/17-03/22/17	25 202	Barton, Rich	[ENHANCED]

### **HAC 170 HEATING I**

Covers controls, thermal physics, electric heating, and equipment for residential and light commercial

heating system installation and servicing with emphasis on electric heating and gas heating.

Prerequisite(s): Successful completion of HAC 102, HAC 105, HAC 120, HAC 160, HAC 162, HAC 164, HAC 167. Co-requisites: HAC 170, HAC 175, HAC 181, HAC 183.

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>
1873	7 Cr	7:00AM-1:45PM	DAILY	01/03/17-03/22/17	25 402	Mcghee, Dwigh	[ENHANCED]

### **HAC 175 HEATING I LAB**

Teaches students to troubleshoot and repair electric heating and gas-burning appliances. Also covers thermal physics and equipment for heating-system analysis and efficiency. This is a hands-on class using live projects. Prerequisite(s): Must have required hand tools of the trade and be enrolled in Heating I.

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>
1883	5 Cr	7:00AM-1:45PM	DAILY	01/03/17-03/22/17	25 300	Mcghee, Dwigh	[ENHANCED]

### **HAC 181 HEATING II**

Covers controls, thermal physics, and equipment for residential and light commercial heating system installation and servicing with emphasis on oil and hydronic heating. Prerequisite(s): Must have required hand tools of the trade and be enrolled in Heating I.

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>
1893	6 Cr	7:00AM-1:45PM	DAILY	01/03/17-03/22/17	25 402	Mcghee, Dwigh	[ENHANCED]

### **HAC 183 HEATING II LAB**

Teaches students to troubleshoot and repair oil and hydronic heating equipment. Also covers thermal physics and equipment for heating-system analysis and efficiency. This is a hands-on class using live projects. Prerequisite(s): Must have required hand tools of the trade and be enrolled in Heating I.

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>
18A3	4 Cr	7:00AM-1:45PM	DAILY	01/03/17-03/22/17	25 300	Mcghee, Dwigh	[ENHANCED]

### **HAC 201 ADVANCED REFRIGERATION SYSTEM**

Covers troubleshooting and repair of refrigeration equipment, thermal physics, equipment for refrigeration systems analysis and efficiency. Prerequisite(s): Must have required hand tools of the trade. Must be enrolled in HAC 249 and HAC 256.

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>
18B3	10 Cr	7:00AM-1:45PM	DAILY	01/03/17-03/22/17	25 300	Pearce, Don	[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 201 and HAC 256.

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>
18C3	5 Cr	7:00AM-1:45PM	DAILY	01/03/17-03/22/17	25 300	Pearce, Don	[ENHANCED]

### **HAC 256 COMMERCIAL HEAT PUMPS**

Troubleshoot and repair residential and commercial heat pumps through study material and DVDs. Explores heat pump fundamentals, heat pump electrical, and heat pump charging. Prerequisite(s): Must

have required hand tools of the trade. Must be enrolled in HAC 201 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>
18D3	7 Cr	7:00AM-1:45PM	DAILY	01/03/17-03/22/17	25 300	Pearce, Don	[ENHANCED]

## **HEMODIALYSIS**

### **HDT 142 WATER TREATMENT FOR HEMODIALYSIS TECHNICIAN**

Basic concepts of water treatment and dialyzer reuse are covered, including instruction on the varied devices used in hemodialysis. Also studied are advantages and disadvantages of filters, carbon tanks, deionizers, ultraviolet light, and reverse osmosis in the treatment of water for dialysis. Students will work in small groups to build a model of water -treatment room as their final project. Prerequisite(s): Students must successfully complete HDT 106, 108, 116, 123, and 130 prior to continuing in the Hemodialysis Program.

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>
8803	Var	7:45AM-9:15AM	MW	01/04/17-03/22/17	21 227	Markovits, Ke	[HYBRID]

### **HDT 150 VASCULAR ACCESS**

This course covers the history and importance of vascular access, including the major types of permanent and temporary vascular access. Covers use of appropriate needle insertion for arteriovenous fistulae and grafts; catheter care and connections; use of the four types of anastomosis used for internal arteriovenous fistulae; and management of thrombosis, infection, hematoma, bleeding, steal syndrome, aneurysm, and catheter dislodgement. Prerequisite(s): Students must successfully complete HDT 106, 108, 116, 123, and 130 prior to continuing in the Hemodialysis Program.

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>
8813	Var	8:00AM-9:15AM	TTh	01/03/17-03/21/17	21 227	Markovits, Ke	[HYBRID]

### **HDT 151 PROFESSIONAL PATIENT INTERACTION**

Explores the relationship and psychological boundaries between the technician, the patient and the renal facility. Includes concepts of patient education. Covers basic interpersonal verbal and non-verbal communication, with a focus on adapting to an individual's special needs or cultural orientation. Students will be given the tools to develop listening skills by practicing assertive communication and developing appropriate interpersonal relationships using the concepts of patient confidentiality. Prerequisite(s): Students must successfully complete HDT 106, 108, 116, 123, and 130 prior to continuing in the Hemodialysis 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>
8823	Var	7:00AM-7:45AM	DAILY	01/03/17-03/22/17	21 227	Markovits, Ke	[HYBRID]

### **HDT 153 PRINCIPLES AND PROCEDURES HEMODIALYSIS II**

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: 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>
8833	Var	9:30AM-12:00PM	MWF	01/04/17-03/22/17	21 227	Markovits, Ke	[HYBRID]

## **HUMAN SERVICES**

### **HS 151 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 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 first-quarter Human Services courses with a C grade or above to be eligible to take this course: HS 237, HS 127, HS 123, HS 115, HS 225, HS 110.

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>
2483	5 Cr	12:30PM-5:00PM	DAILY	01/03/17-03/22/17	02 120	Callahan-Mcc	[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 the following first-quarter Human Services courses with a C grade or above to be eligible to take this course: HS 237, HS 127, HS 123, HS 115, HS 225, HS 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>
2453	5 Cr	9:00AM-9:50AM	DAILY	01/03/17-03/22/17	02 112	Callahan-Mcc	[HYBRID]

### **HS 228 DYNAMICS OF VIOLENCE**

Presents an overview of the dynamics of violence in relationship to both the perpetrator and the victim. Areas of emphasis include child neglect, child sexual and physical abuse, missing and exploited children and adolescents, domestic violence, the cycle of violence, elder abuse, and violence's impact on the family system. Strategies for treatment and community intervention are explored. Prerequisite(s): Students must complete the following first-quarter Human Services courses with a C grade or above to be eligible to take this course: HS 237, HS 127, HS 123, HS 115, HS 225, HS 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>
2473	3 Cr	10:00AM-11:50PM	TTh	01/03/17-03/22/17	02 112	Callahan-Mcc	[HYBRID]

### **HS 230 CASE MANAGEMENT**

This course introduces students to the fundamentals of case management practice. Students will review different models of case management and learn about common case management functions such as outreach, engagement, assessment, planning, accessing resources, coordination, and advocacy.

Prerequisite(s): Students must complete the following third-quarter Human Services courses with a C+ grade or above to be eligible to take this course: HS 220, HS 227, HS 221, HS 244.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
2423	5 Cr	10:00AM-11:50AM	MWF	01/03/17-03/22/17	02 120	Hauzinger, Ir	[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, and the impact of inequality on a variety of service populations, racism, prejudice, and inclusion strategies. Prerequisite(s): Students must complete the following first-quarter Human Services courses with a C+ grade or above to be eligible to take this course: HS 237, HS 127, HS 123, HS 115, HS 225, HS 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>
2463	5 Cr	10:00AM-11:50AM	MWF	01/03/17-03/22/17	02 112	Callahan-Mcc	[HYBRID]

### **HS 238 SPECIAL PROJECTS**

Increases students' knowledge and skill by formulating and implementing a special project related to the Human Services field. Students must obtain authorization from the instructor for the project prior to enrolling in course.

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>
2493	Var	ARRANGED	ARRANGED	01/03/17-03/22/17	ON LINE	Callahan-Mcc	[ONLINE]

### **HS 239 SELECTED TOPICS**

Students will be responsible for performing either a literature review and/or a research paper on a human services-related topic. Students must obtain authorization from the instructor for the project prior to enrolling in the course.

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>
24A3	Var	ARRANGED	ARRANGED	01/03/17-03/22/17	ON LINE	Callahan-Mcc	[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 the following third-quarter Human Services courses with a C+ grade or above to be eligible to take this course: HS 220, HS 227, HS 221, HS 244.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
2403	5 Cr	9:00AM-9:50AM	DAILY	01/03/17-03/22/17	02 120	Hauzinger, Ir	[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>
2443	5 Cr	12:30PM-5:00PM	DAILY	01/03/17-03/22/17	02 112	Callahan-Mcc	[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 the following third-quarter Human Services courses with a C+ grade or above to be eligible to take this course: HS 220, HS 227, HS 221, HS 244.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
2413	3 Cr	10:00AM-11:30AM	TTh	01/03/17-03/22/17	02 120	Hauzinger, Ir	[ENHANCED]

### **HS 258 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): 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 third-quarter Human Services courses with a C+ grade or above to be eligible to take this course: HS 220, HS 227, HS 221, HS 244.

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>
2433	5 Cr	12:30PM-5:00PM	DAILY	01/03/17-03/22/17	02 112	Callahan-Mcc	[HYBRID]

## **HUMAN SERVICES/CHEMICAL DEPENDENCY**

### **HSCD 150 THE NEURO-PHARMACOLOGY OF ADDICTION**

This course provides an overview of the effects of drug use and chemical dependency on the body, including physiological, emotional, and behavioral implications. Topics include drug interactions, brain-body chemistry, and the management of chronic and acute conditions of drug misuse. Prerequisite(s): Completion of HSCD Quarter 1 classes: HS 125, HSCD 134, HSCD 180, HSCD 215, or their equivalent from another institution.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
24F3	5 Cr	ARRANGED	ARRANGED	01/03/17-03/21/17	ON LINE	Hauzinger, Ir	[ONLINE]

### **HSCD 155 CHEMICAL DEPENDENCY & COUNSELING: INDIV & GROUPS**

Individual Counseling focuses on learning a collaborative process that facilitates the client's progress toward mutually determined treatment goals and objectives. Students will learn counseling competencies that will include: sensitivity to the client's individual characteristics and culture, the role of the counselor, approaches to counseling & addiction disorders, use of warmth, respect, genuineness, concreteness and empathy, and the therapeutic use of power & authority. Group dynamics & strategies will also be

covered. Prerequisite(s): Completion of HSCD Quarter 1 classes: HS 125, HSCD 134, HSCD 180, HSCD 215, or their equivalent from another institution.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
24G3	5 Cr	5:00PM-7:15PM	W	01/04/17-03/22/17	02 112	Welch, Rober	[HYBRID]

### **HSCD 227 CHEMICAL DEPENDENCY ASSESSMENT & EVALUATION**

Students will be introduced to a variety of industry-standard screening, evaluation and assessment tools for both adolescents and adults. Students will be able to determine a client's readiness for treatment and change, and have an understanding of the appropriate levels of care. ASAM placement and the stages of change will be focal topics. Prerequisite(s): Completion of HSCD Quarter 1 classes: HS 125, HSCD 134, HSCD 180, HSCD 215, or their equivalent from another institution.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
24H3	3 Cr	7:15PM-10:00PM	W	01/04/17-03/22/17	02 112	Fitzgerald, C	[HYBRID]

### **HSCD 229 SUICIDE PREVENTION FOR THE CHEMICAL DEPEND PROFE**

This course provides an overview of contributing factors to suicidality, including mental health, substance use, and lifespan development. Evidenced-based prevention strategies for adolescents, adults, and older adults are discussed, including differentiations between Death with Dignity statutes for the terminally ill. Prerequisite(s): Completion of HSCD Quarter 1 classes: HS 125, HSCD 134, HSCD 180, HSCD 215, or their equivalent from another institution.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
24J3	1 Cr	ARRANGED	ARRANGED	01/16/17-03/21/17	ON LINE	Hauzinger, Ir	[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 HSCD Quarter 1 & 2 classes: HS 125, HSCD 134, HSCD 180, HSCD 215, HSCD 150, HSCD 155, HSCD 229, HSCD 227 or their equivalent from another institution.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
24B3	5 Cr	ARRANGED	ARRANGED	01/03/17-03/22/17	ON LINE	Hauzinger, Ir	[ONLINE]

## **INTERIOR DESIGN**

### **DSN 121 DRAFTING II**

This course introduces students to the fundamental principles needed to create an as-built plan set to include floor plan, power/mechanical plan and elevation. Introduces field surveys, symbols and graphics, and formatting of drawings. Prerequisite(s): Successful completion of DSN 105.

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>
3603	5 Cr	9:00AM-11:00AM	DAILY	02/22/17-03/22/17	19 210	Schillar, Sun	

### **DSN 123 MATERIALS, METHODS AND TECHNIQUES**

This course is an introduction to the fundamental design materials and applications for interior environments, including hard and resilient flooring, soft flooring, paint, wall coverings, cladding,

acoustics, metal, plaster, glass, and millwork. Students will also learn to visually present material selections in a professional manner.

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>
3613	4 Cr	9:00AM-11:00AM	DAILY	01/03/17-01/20/17	19 210	Bowman, Michl	

### **DSN 132 LIGHTING**

This course introduces students to the fundamental skills and concepts of lighting design. It is an approach to quality lighting with a primary focus on the design process. Covers basic lighting, human factors, sustainability, products and design fundamentals.

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>
3623	5 Cr	9:00AM-11:00AM	DAILY	02/06/17-02/21/17	19 210	Schillar, Sun	

### **DSN 140 TEXTILES**

This course is a comprehensive study of the textile products available for use in residential interior design, with an emphasis on window treatments, upholstery, the proper selection of materials, and working with drapery and upholstery showrooms and workrooms.

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>
3633	4 Cr	9:00AM-11:00AM	DAILY	01/23/17-02/03/17	19 210	Bowman, Michl	

### **DSN 204 INTRODUCTION TO COMMERCIAL INTERIOR DESIGN**

This course provides an introduction to commercial interiors. Contents include areas of practice, ADA and code compliance, and commercial design case studies.

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>
3643	4 Cr	11:00AM-1:00PM	MTWTh	01/03/17-01/19/17	19 202	Watts, Julie	

### **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>
36C3	5 Cr	ARRANGED	ARRANGED	01/03/17-03/22/17	ON LINE	Watts, Julie	[ONLINE]

### **DSN 216 CAD I**

Introduction to CAD (computer-aided drafting). Students will learn the basic functions and commands to produce drawings for interior design.

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>
3653	5 Cr	9:00AM-11:00AM	MTWTh	01/23/17-02/14/17	19 202	Watts, Julie	

### **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>
36D3	4 Cr	ARRANGED	ARRANGED	01/03/17-03/22/17	ON LINE	Watts, Julie	[ONLINE]

### **DSN 225 DESIGN I**

Using provided programming information, students will be introduced to space planning for commercial interiors, including programming, design schematics, ADA standards for accessibility, and code considerations. Prerequisite(s): Successful completion of DSN 216.

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>
3663	5 Cr	9:00AM-11:00AM	MTWTh	02/15/17-03/09/17	19 202	Watts, Julie	

### **DSN 226 SUSTAINABLE STRATEGIES IN DESIGN**

Introduces sustainable strategies for the integrated interior environment, including 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>
36F3	5 Cr	ARRANGED	ARRANGED	01/03/17-03/22/17	ON LINE	Watts, Julie	[ONLINE]

### **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, 224, 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>
36G3	5 Cr	ARRANGED	ARRANGED	01/03/17-03/22/17	ON LINE	Watts, Julie	[ONLINE]

### **DSN 231 HISTORIC PRESER 20TH CENTURY DESIGN & PHILOSOPHY**

Includes the study of historically significant 20th- and 21st-century designers and architects, their philosophies, and the role of their significant historic works.

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>
3673	3 Cr	11:00AM-1:00PM	DAILY	03/13/17-03/22/17	19 210	Bowman, Michl	

### **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: 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>
3683	4 Cr	9:00AM-11:00AM	MTTh	01/30/17-02/23/17	ARR	Bowman, Michl	

### **DSN 245 INTERNSHIP**

Interact with established businesses or related businesses of interior design by going to a place of business and working in the field. Students will arrange to work with a sponsor, and will observe and assist the sponsor with meaningful design activities for a total of 80 hours. Prerequisite(s): Successful completion of (DSN 119, DSN 123, DSN 124, DSN 132, DSN 136, DSN 140, DSN 145, DSN 152, DSN 153, DSN 158, DSN 159, DSN 204, DSN 227, DSN 231, DSN 236, and DSN 239 or instructor )

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>
3693	4 Cr	ARRANGED	ARRANGED	01/03/17-03/22/17	ARR	Schillar, Sun	

### **DSN 251 CONTRACT FURNITURE**

This course provides an introduction to the various types of furniture used in commercial design. Concentrates on the selection, specification and use of furnishings as well as contracts, documents, and the procurement of contract furniture.

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>
36A3	3 Cr	9:00AM-11:00AM	MTTh	01/03/17-01/26/17	19 202	Schillar, Sun	

### **DSN 265 INDEPENDENT STUDY**

Explore or expand knowledge of interior design within an independent study format. With guidance and instructor approval, the student 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>
36H3	3 Cr	ARRANGED	ARRANGED	01/03/17-03/22/17	19 210	Schillar, Sun	

### **DSN 266 PORTFOLIO PROFESSIONAL PRESENTATION**

Create and present a professional portfolio of work illustrating your level of design and technical skills. Students will learn to present themselves and their work professionally to prepare for the job search, interviews and employment in the interior design industry. Prerequisite(s): Successful completion of (DSN 119, DSN 124, DSN 136, DSN 145, DSN 153, DSN 159, DSN 227, DSN 236, and DSN 239 or instructor permission.

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>
36B3	7 Cr	9:00AM-11:00AM	MTThF	01/06/17-03/21/17	19 202	Watts, Julie	

### **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, where they will complete a self-assessment and final presentation to the instructor. Prerequisite(s): Instructor approval.

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>
36J3	4 Cr	ARRANGED	ARRANGED	01/03/17-03/22/17	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, when they will complete 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>
36K3	5 Cr	ARRANGED	ARRANGED	01/03/17-03/22/17	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.

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>
0565	Var	ARRANGED	ARRANGED	01/03/17-03/20/17	ON LINE	Erwin-Svobod	[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.

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>
0566	Var	ARRANGED	ARRANGED	01/03/17-03/20/17	ON LINE	Erwin-Svobod	[ONLINE]

## **LEADR 102 LEADERSHIP III**

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.

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>
0567	Var	ARRANGED	ARRANGED	01/03/17-03/20/17	ON LINE	Erwin-Svobod	[ONLINE]

## **LEADR 103 LEADERSHIP IV**

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.

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>
0568	Var	ARRANGED	ARRANGED	01/03/17-03/20/17	ON LINE	Erwin-Svobod	[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: 48.80

<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>
7803	2 Cr	ARRANGED	ARRANGED	01/03/17-03/22/17	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: 68.40

<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>
7813	6 Cr	ARRANGED	ARRANGED	01/03/17-03/22/17	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.

Instructor Permission required.

Additional Fee: 68.40

<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>
7823	6 Cr	ARRANGED	ARRANGED	01/03/17-03/22/17	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.

Instructor Permission required.

Additional Fee: 68.40

<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>
7833	6 Cr	ARRANGED	ARRANGED	01/03/17-03/22/17	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: 68.40

<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>
7843	6 Cr	ARRANGED	ARRANGED	01/03/17-03/22/17	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: 68.40

<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>
7853	6 Cr	ARRANGED	ARRANGED	01/03/17-03/22/17	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.

Instructor Permission required.

Additional Fee: 68.40

<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>
7863	6 Cr	ARRANGED	ARRANGED	01/03/17-03/22/17	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.

Instructor Permission required.

Additional Fee: 78.20

<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>
7873	8 Cr	ARRANGED	ARRANGED	01/03/17-03/22/17	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.

Instructor Permission required.

Additional Fee: 88.00

<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>
7883	10 Cr	ARRANGED	ARRANGED	01/03/17-03/22/17	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.

Instructor Permission required.

Additional Fee: 78.20

<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>
7893	8 Cr	ARRANGED	ARRANGED	01/03/17-03/22/17	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

Instructor Permission required.

Additional Fee: 58.60

<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>
78A3	4 Cr	ARRANGED	ARRANGED	01/03/17-03/22/17	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.

Instructor Permission required.

Additional Fee: 63.50

<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>
78B3	5 Cr	ARRANGED	ARRANGED	01/03/17-03/22/17	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.

Instructor Permission required.

Additional Fee: 63.50

<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>
78C3	5 Cr	ARRANGED	ARRANGED	01/03/17-03/22/17	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.

Instructor Permission required.

Additional Fee: 73.30

<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>
78D3	7 Cr	ARRANGED	ARRANGED	01/03/17-03/22/17	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.

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>
78F3	3 Cr	ARRANGED	ARRANGED	01/03/17-03/22/17	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.

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>
78G3	3 Cr	ARRANGED	ARRANGED	01/03/17-03/22/17	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.

Instructor Permission required.

Additional Fee: 88.00

<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>
78H3	10 Cr	ARRANGED	ARRANGED	01/03/17-03/22/17	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.

Instructor Permission required.

Additional Fee: 97.80

<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>
78J3	12 Cr	ARRANGED	ARRANGED	01/03/17-03/22/17	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.

Instructor Permission required.

Additional Fee: 58.60

<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>
78K3	4 Cr	ARRANGED	ARRANGED	01/03/17-03/22/17	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.

Instructor Permission required.

Additional Fee: 68.40

<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>
78L3	6 Cr	ARRANGED	ARRANGED	01/03/17-03/22/17	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.

Instructor Permission required.

Additional Fee: 58.60

<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>
78M3	4 Cr	ARRANGED	ARRANGED	01/03/17-03/22/17	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.

Instructor Permission required.

Additional Fee: 58.60

<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>
78N3	4 Cr	ARRANGED	ARRANGED	01/03/17-03/22/17	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.

Instructor Permission required.

Additional Fee: 88.00

<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>
78P3	Var	ARRANGED	ARRANGED	01/03/17-03/22/17	25 105	Dam, Ken	[HYBRID]

# **MESSAGE**

## MASST 111 ANATOMY, PHYSIOLOGY, AND PATHOLOGY II

Explores endocrinology, cardiovascular, digestive, and respiratory systems. Prerequisite: Successful completion of MASST 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>
1203	5 Cr	9:00AM-11:30AM	TTh	01/03/17-03/16/17	08 108	Slegers, Edwa	

## 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>
1213	3 Cr	9:00AM-11:30AM	MW	01/04/17-02/15/17	08 108	Meziere, Yvon	

## 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: 108.00

<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>
1223	4 Cr	0:RM-0:M	MW	01/04/17-03/22/17	08 LAB	Meziere, Yvon	

## MASST 136 COMPLEMENTARY MASSAGE MODALITIES II

Introduces a variety of massage modalities that can be safely integrated into a massage practice. Modalities covered include pregnancy massage, sports massage, and hydrotherapy, including hot stone massage. Indications, contraindications, 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>
1233	2 Cr	ARRANGED	ARRANGED	01/06/17-03/10/17	08 LAB	Meziere, Yvon	

## 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: 35.00

<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>
1243	1 Cr	12:15PM-3:30PM	TTh	01/03/17-01/19/17	08 108	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: 35.00

<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>
1253	2 Cr	12:15PM-3:30PM	TTh	01/24/17-03/07/17	08 108	Meziere, Yvon	

## MASST 148 MASSAGE 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>
1263	1 Cr	9:00AM-11:30AM	F	01/06/17-03/17/17	08 108	Meziere, Yvon	

### **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. i ½ i ½ i ½ 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>
1273	2 Cr	0:RM-0:M	F	02/10/17-03/17/17	08 LAB	Meziere, Yvon	

## **MATH**

### **MAT 082 BASIC MATHEMATICS**

Addresses basic operations with whole numbers, fractions, and decimals, order of operations, signed numbers, ratio and proportion, percentages, geometric figures and the U.S. and metric systems of measurement. PREREQUISITE: Appropriate COMPASS score or successful completion of MAT 60.

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-10:20AM	MW	01/03/17-03/22/17	16 202	Sandoval, L	[HYBRID]
5W12	Var	10:00AM-12:20PM	TTh	01/03/17-03/22/17	16 202	Sandoval, L	[HYBRID]
5W13	Var	ARRANGED	ARRANGED	01/03/17-03/22/17	ON LINE	Mollas, Tula	[ONLINE]
5W20	Var	10:00AM-12:20PM	MW	01/03/17-03/22/17	16 208	Schmeling, L	
5W23	Var	11:00AM-11:50AM	DAILY	01/03/17-03/22/17	16 113	Alexander, Di	
5W26	Var	10:00AM-12:20PM	TTh	01/03/17-03/22/17	15 111	Parnell, Sam	
5W29	Var	4:00PM-6:20PM	MW	01/03/17-03/22/17	16 113	Alexander, Di	
5W32	Var	1:00PM-3:20PM	MW	01/03/17-03/22/17	16 113	Sandoval, L	
5W35	5 Cr	4:00PM-6:20PM	TTh	01/03/17-03/22/17	16 113	Herring, Bill	
5W38	5 Cr	1:30PM-4:00PM	TTh	01/03/17-03/21/17	SHC107	Alexander, Di	
5W44	5 Cr	6:30PM-8:50PM	TTh	01/03/17-03/21/17	16 113	Alexander, Di	
5W41	Var	9:00AM-2:30PM	Sa	01/07/17-03/18/17	15 111	Parnell, Sam	

### **MAT 091 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: Appropriate COMPASS placement score; or successful completion of MAT 82 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>
5W14	Var	10:00AM-12:20PM	MW	01/03/17-03/22/17	16 116	Mollas, Tula	[HYBRID]

5W15	Var	ARRANGED	ARRANGED	01/03/17-03/22/17	ON LINE	Sandoval, L	[ONLINE]
5W16	5 Cr	2:00PM-2:50PM	DAILY	01/03/17-03/22/17	15 111	Parnell, Sam	[HYBRID]
5W17	5 Cr	3:00PM-3:50PM	DAILY	01/03/17-03/22/17	15 111	Parnell, Sam	[HYBRID]
5W21	Var	10:00AM-12:20PM	MW	01/03/17-03/22/17	16 208	Schmeling, L	
5W24	Var	11:00AM-11:50AM	DAILY	01/03/17-03/22/17	16 113	Alexander, Di	
5W27	Var	10:00AM-12:20PM	TTh	01/03/17-03/22/17	15 111	Parnell, Sam	
5W30	Var	4:00PM-6:20PM	MW	01/03/17-03/22/17	16 113	Alexander, Di	
5W33	Var	1:00PM-3:20PM	MW	01/03/17-03/22/17	16 113	Sandoval, L	
5W36	5 Cr	4:00PM-6:20PM	TTh	01/03/17-03/22/17	16 113	Herring, Bill	
5W39	5 Cr	1:30PM-4:00PM	TTh	01/03/17-03/22/17	SHC107	Alexander, Di	
5W45	5 Cr	6:30PM-8:50PM	TTh	01/03/17-03/21/17	16 113	Alexander, Di	
5W42	Var	9:00AM-2:30PM	Sa	01/07/17-03/18/17	15 111	Parnell, Sam	

### **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>
5W18	5 Cr	ARRANGED	ARRANGED	01/03/17-03/22/17	ON LINE	Schmeling, L	[ONLINE]
5W19	5 Cr	1:00PM-1:50PM	DAILY	01/03/17-03/22/17	16 202	Sandoval, L	[HYBRID]
5W22	Var	10:00AM-12:20PM	MW	01/03/17-03/22/17	16 208	Schmeling, L	
5W25	Var	11:00AM-11:50AM	DAILY	01/03/17-03/22/17	16 113	Alexander, Di	
5W28	Var	10:00AM-12:20PM	TTh	01/03/17-03/22/17	15 111	Parnell, Sam	
5W31	Var	4:00PM-6:20PM	MW	01/03/17-03/22/17	16 113	Alexander, Di	
5W34	Var	1:00PM-3:20PM	MW	01/03/17-03/22/17	16 113	Sandoval, L	
5W37	5 Cr	4:00PM-6:20PM	TTh	01/03/17-03/22/17	16 113	Herring, Bill	
5W40	5 Cr	1:30PM-4:00PM	TTh	01/03/17-03/22/17	SHC107	Alexander, Di	
5W46	5 Cr	6:30PM-8:50PM	TTh	01/03/17-03/21/17	16 113	Alexander, Di	
5W43	Var	9:00AM-2:30PM	Sa	01/07/17-03/18/17	15 111	Parnell, Sam	

### **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): COMPASS algebra score of 62 or college algebra score of 40 or above or successful completion of MAT 088 or MAT 091.

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>
0532	5 Cr	10:00AM-12:20PM	TTh	01/03/17-03/22/17	16 208	Schmeling, L	[ENHANCED]
0533	Var	ARRANGED	ARRANGED	01/03/17-03/22/17	ON LINE	Schmeling, L	[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. 1.

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>
0534	5 Cr	10:00AM-10:50AM	MWTh	01/03/17-03/22/17	14 208	Oyler, Mel	[ENHANCED]
0535	5 Cr	ARRANGED	ARRANGED	01/03/17-03/22/17	ON LINE	Stultz, Dougl	[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>
0536	5 Cr	ARRANGED	ARRANGED	01/03/17-03/22/17	ON LINE	Oyler, Mel	[ONLINE]
0537	5 Cr	ARRANGED	ARRANGED	01/03/17-03/22/17	ON LINE	Gangaram, Jit	[ONLINE]
0538	5 Cr	3:00PM-3:50PM	DAILY	01/03/17-03/22/17	16 202	Sweerus, Neil	[ENHANCED]
0539	5 Cr	ARRANGED	ARRANGED	01/03/17-03/22/17	ON LINE	Sweerus, Neil	[ONLINE]

## **MAT 110 MATH FOR NON-SCIENCE MAJORS**

Covers a variety of topics including probability, statistics, finance, modeling, sets and counting, and exponential and logarithmic functions. PREREQUISITE: Appropriate COMPASS score or successful completion of MAT 99 is required. (ove or college algebra 40 or above) 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>
0540	5 Cr	ARRANGED	ARRANGED	01/03/17-03/22/17	ON LINE	Gangaram, Jit	[ONLINE]

## **MAT 111 MATH FOR COSMOTOLOGY/ESTHETICS PROFESSIONALS**

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
0541	5 Cr	ARRANGED	ARRANGED	01/03/17-03/22/17	ON LINE	Stultz, Dougl	[ONLINE]

## **MATH& 141 PRE CALCULUS 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 COMPASS placement score (algebra 76 or above or, college algebra 48 or above) 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>
0542	Var	ARRANGED	ARRANGED	01/03/17-03/22/17	ON LINE	Schmeling, L	[ONLINE]

## **MATH& 142 PRE CALCULUS 2**

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 COMPASS placement score (college algebra 53 or higher) 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>
0543	5 Cr	ARRANGED	ARRANGED	01/03/17-03/22/17	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 COMPASS placement score (algebra 76 or above or college algebra 48 or above) or successful completion of MAT 099 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>
0544	5 Cr	4:00PM-4:50PM	DAILY	01/03/17-03/22/17	16 208	Sweerus, Neil	[ENHANCED]
0545	5 Cr	ARRANGED	ARRANGED	01/03/17-03/22/17	ON LINE	Sweerus, Neil	[ONLINE]

# MECHATRONICS

## **MEC 116 AC CIRCUITS**

Covers AC circuit analysis. Network theorems are applied to the solution of AC circuits. Resonance, filters, AC power and three-phase circuits are covered in detail. Introduces standard instrumentation used in testing AC circuits and measurement of AC circuits and systems. Discusses wiring techniques for AC power systems. 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>
MQ03	Var	7:30AM-11:00AM	MW	01/03/17-03/22/17	25 103	Yang, Feng	[ENHANCED]

## **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>
MQ23	5 Cr	11:30AM-3:15PM	MW	01/03/17-03/22/17	25 103	Yang, Feng	[ENHANCED]

## **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 will 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>
MQ13	5 Cr	7:30AM-11:00AM	TTh	01/03/17-03/22/17	25 103	Yang, Feng	[ENHANCED]

## **MEC 200 PROGRAMMABLE CONTROLS II**

Exercises students' ½ PLC programming and integration skills through the completion of a project representative of modern industrial control practice. Students will also learn about installation, maintenance, and troubleshooting of PLC systems. Prerequisite(s): Successful completion of MEC 160.

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>
MQB3	5 Cr	7:30AM-11:00AM	TTh	01/03/17-03/22/17	25 103	Yang, Feng	

## **MEC 281 INDEPENDENT STUDY I**

A theoretical and/or lab-based investigation into a topic directly related to Mechatronics. Students meet in person with an instructor and agree to an appropriate course of study. Students registering for independent study must submit, at or before registration, a description and timetable for completion,

signed by both the instructor supervising the independent study and the student. Prerequisite(s): Successful completion of ENGL& 101, MATH& 141, PHYS& 114, and 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>
MQ53	Var	ARRANGED	ARRANGED	01/03/17-03/22/17	25 103	Yang, Feng	[ENHANCED]

### **MEC 282 INDEPENDENT STUDY II**

A theoretical and/or lab-based investigation into a topic directly related to mechatronics. Students meet in person with an instructor and agree to an appropriate course of study. Students registering for independent study must submit, at or before registration, a description and timetable for completion, signed by both the instructor supervising the independent study and the student. Prerequisite(s): Successful completion of ENGL& 101, MATH& 141, PHYS& 114, and 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>
MQ63	Var	ARRANGED	ARRANGED	01/03/17-03/22/17	25 103	Yang, Feng	[ENHANCED]

### **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>
MQ33	5 Cr	ARRANGED	ARRANGED	01/03/17-03/22/17	25 103	Yang, Feng	[ENHANCED]

### **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>
MQ43	5 Cr	ARRANGED	ARRANGED	01/03/17-03/22/17	25 103	Yang, Feng	[ENHANCED]

## **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 once the student has registered for MAP 107. Co-requisites: CAH 102, CAH,105 and COLL 102.

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>
3803	Var	3:30PM-6:30PM	TTh	01/19/17-03/16/17	21 108	Jones, Michel	[HYBRID]

### **MAP 146 BODY SYSTEMS APPLICATIONS 102**

Practice fundamental skills relating to Body Systems Theory 102. Skills include practicing care and usage of the otoscope, ear/eye exams, audiometry, peak flow meters and small volume nebulizers, and performing ECG's, as well as phlebotomy skills. Prerequisite(s): Successful completion of MAP 121 and MAP 124. Co-requisites: MAP 147.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
3843	4 Cr	8:00AM-11:00AM	WF	01/04/17-03/22/17	21 108	Jones, Michel	[HYBRID]

### **MAP 147 BODY SYSTEMS THEORY 102**

Caring for patients with disorders associated with ophthalmology and otolaryngology, pulmonary medicine, neurology and mental health, cardiology, phlebotomy, and microbiology. Instruction will include anatomy and physiology, pathophysiology, pharmacology, and terminology. Prerequisite(s): Successful completion of MAP 121 and MAP 124. Co-requisites: MAP 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>
3833	4 Cr	8:00AM-11:00AM	TTh	01/03/17-03/21/17	21 108	Jones, Michel	[HYBRID]

### **MAP 171 AUTOMATED COMPUTER APPLICATIONS**

Practice fundamental skills relating to ICD9 and CPT coding using computers. Includes computerized patient scheduling and procedures for accounts receivable management for both private patients and insurance companies. Prerequisite(s): Successful completion of MAP 182 and MAP 184. Co-requisites: MAP 179.

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>
3823	4 Cr	12:00PM-3:30PM	TWThF	02/10/17-03/17/17	21 104	Jones, Michel	[HYBRID]

### **MAP 179 HEALTH INSURANCE, CODING PRACTICES & BILL COLLEC**

Acquire information regarding private and public insurance programs. Practice fundamental skills relating to ICD-10 and CPT coding utilizing the computer and specific software. Included are patient scheduling and procedures for accounts receivable management for both private patients and insurance companies. Prerequisite(s): Successful completion of MAP 182 and MAP 184. Co-requisites: MAP 171.

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>
3813	5 Cr	12:00PM-3:30PM	TWThF	01/04/17-02/09/17	21 108	Jones, Michel	[HYBRID]

### **MAP 210 INVASIVES**

Additional Fee: 45.60

<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>
3873	4 Cr	8:00AM-3:00PM	DAILY	01/03/17-01/17/17	21 122	Keith, Lora	[HYBRID]

### **MAP 215 EXTERNSHIP**

Capstone course gives students practical experiences in physician offices and/or clinics. Student must successfully pass MAP 212 in order to be eligible for this course. Co-requisites: MAP 212 and 222.

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>
3863	8 Cr	0:RM-0:M		01/18/17-03/15/17	ARR	Keith, Lora	[ENHANCED]

### **MAP 222 COMMUNITY EMPLOYMENT OPPORTUNITIES AND LOCATIONS**

Locates the major medical employers (including hospitals) in the student's community, along with their human resources departments. This course also includes interviewing techniques, updating your resume, and methods of applying for employment through a variety of sources. Prerequisite(s): Successful completion of MAP 215. Co-requisites: MAP 212 and MAP 215.

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>
3853	1 Cr	9:00AM-2:00PM	MTThF	03/16/17-03/21/17	21 108	Keith, Lora	[HYBRID]

## **MEDICAL HISTOLOGY**

### **HISTO 120 HISTOTECHNOLOGY II**

Covers and expands upon the knowledge and skills learned in Histotechnology I. Students will begin to learn the theory and principles of hematoxylin and eosin staining, as well as the basic principles and procedures of carbohydrate stains. Prerequisite(s): Successful completion of HISTO 105, HISTO 110 and HISTO 115.

Instructor Permission required.

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>
5603	10 Cr	8:00AM-2:00PM	DAILY	01/03/17-03/22/17	21 232	Haggerty, Reb	[ENHANCED]

### **HISTO 125 HISTOTECHNOLOGY LAB II**

Expands upon the knowledge and skills learned in Histotechnology Lab I. Students continue to increase their skills in embedding and tissue sectioning, including the cutting and staining of frozen tissue specimens. Students learn to do carbohydrate and Amyloid stains. Co-requisites: HISTO 120.

Instructor Permission required.

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>
5613	5 Cr	8:00AM-2:00PM	DAILY	01/03/17-03/22/17	21 232	Haggerty, Reb	[ENHANCED]

### **HISTO 130 MATH APPS FOR HISTOLOGY**

Introduces laboratory mathematics with an emphasis on solution preparation. Co-requisites: HISTO 120 and HISTO 125.

Instructor Permission required.

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>
5623	3 Cr	8:00AM-2:00PM	DAILY	01/03/17-03/22/17	21 232	Haggerty, Reb	[HYBRID]

# MEDICAL LABORATORY TECHNICAN

## **MLT 235 CLINICAL EXPERIENCE II**

Continues the clinical training begun in MLT 232. Students continue for six weeks of training (either five eight-hour days each week or four nine-hour days each week), rotating through those departments not yet experienced and continuing to meet objectives listed in the MLT 232 syllabus. Some clinical sites may assign 1-2 weeks of either swing or night shift as part of the clinical phase. As in MLT 232, staff of the affiliated laboratory directly supervise students, and there is ongoing contact with the instructor in the form of bimonthly site visits, as well as Wednesday afternoon class sessions. This course is offered winter quarter. Prerequisite(s): Successful completion of MLT 221 and MLT 232.

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>
4803	9 Cr	0:RM-0:M	DAILY	01/03/17-02/10/17	21 222	Guinn, Dana	[HYBRID]

## **MLT 236 CLINICAL EXPERIENCE III**

Complete the clinical training begun in MLT 232 and continued in 235. Students complete five more weeks of training (either five eight-hour days or four nine-hour days each week), completing the remainder of the objectives in the MLT 232 syllabus. Some clinical sites may also assign 1-2 weeks of either swing or night shift as part of the clinical phase. As in MLT 235, staff of the affiliated laboratory directly supervise students, and there is ongoing contact with the instructor in the form of bimonthly site visits, as well as Wednesday afternoon class sessions. This course is offered winter quarter. Near the end of the quarter students will be given a cumulative final exam to prepare them for the ASCP national board exam. Prerequisite(s): Successful completion of MLT 235.

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>
4813	7 Cr	0:RM-0:M	DAILY	02/13/17-03/17/17	21 222	Guinn, Dana	[HYBRID]

# NON DESTRUCTIVE TESTING

## **MS 123 FUNDAMENTALS OF WELDING FOR NON WELDING MAJOR**

Students will identify, perform, or witness various basic welding processes for prospective visual and non-destructive inspectors.

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>
09F3	5 Cr	8:00AM-12:30PM	DAILY	01/03/17-03/22/17	SHC115	Boswell, Chri	

## **MS 126 FUNDAMENTALS OF COMPOSITES FOR THE NON-COMPOSITE**

Introduces the various kinds of composite parts. This course explores the different types of resin, matrices, fibers, cores, and laminates. Students will explore their mechanical properties and the advantages of each type of composite structure. Covers the layup, winding, molding, curing, and repair of composite parts. Explores the role of NDT in testing composite parts after fabrication and after repair and the kinds of defects found.

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>
09G3	4 Cr	8:00AM-12:30PM	DAILY	01/03/17-03/22/17	SHC115	Boswell, Chri	

**MS 131 BLUEPRINT READING FUNDAMENTALS**

Covers basic lines and views of drawings, identifying and interpreting weld and fabrication symbols, and locating NDT requirements.

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>
09H3	3 Cr	8:00AM-12:30PM	DAILY	01/03/17-03/22/17	SHC115	Boswell, Chri	

**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: 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>
09L3	Var	8:00AM-12:30PM	DAILY	01/03/17-03/22/17	SHC114	Musson, Chuck	[HYBRID]

**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: 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>
09K3	Var	8:00AM-12:30PM	DAILY	01/03/17-03/22/17	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>
09M3	Var	8:00AM-12:30PM	DAILY	01/03/17-03/22/17	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: 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>
09N3	3 Cr	0:RM-0:M	DAILY	01/03/17-03/22/17	SHC114	Musson, Chuck	[HYBRID]

**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.

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>
09P3	Var	0:RM-0:M	DAILY	01/03/17-03/22/17	SHC114	Musson, Chuck	

# NURSING ASSISTANT

## **NAC 101 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 25 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>
NS03	6 Cr	8:00AM-2:30PM	TWTh	01/03/17-01/25/17	21 211	Hernandez, Ka	
NS63	6 Cr	3:00PM-5:00PM	TWTh	01/03/17-03/22/17	21 211	Dannen, Eliza	

## **NAC 102 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 25 pounds, and a  $\frac{1}{2}$ No Record on File  $\frac{1}{2}$  from the Washington State Patrol and DSHS. Successful completion of NAC 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>
NS73	4 Cr	3:00PM-6:00PM	TWTh	01/03/17-03/22/17	21 235	Young, Sandr	
NS23	4 Cr	7:30AM-4:00PM	WTh	01/25/17-03/22/17	21 137	Sword, Yvette	
NS13	4 Cr	7:30AM-4:00PM	MT	01/30/17-03/22/17	21 137	Hernandez, Ka	

## **NAC 107 UNIT BASED CLINICAL EXPERIENCE**

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>
NS33	3 Cr	ARRANGED	ARRANGED	01/03/17-03/22/17	ARR	Hernandez, Ka	
NS83	3 Cr	3:00PM-6:00PM	TWTh	01/03/17-03/22/17	21 235	Young, Sandr	

## **NAC 131 NURSING FUNDAMENTALS SKILLS I-BEST**

Explore the principles of providing basic patient care; includes the minimum requirements for skill competencies as required under the Washington State and Omnibus Budget Reconciliation Act (OBRA) requirements for the nursing assistant. Students must correctly demonstrate 100 percent of the steps for each of the skills tested. Prerequisite(s): Documentation of required immunizations, ability to lift up to 25 pounds, and a  $\frac{1}{2}$ No Record on File  $\frac{1}{2}$  from the Washington State Patrol and DSHS.

Instructor Permission required.

Additional Fee: 40.00

<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>
NS3F	4 Cr	4:00PM-8:00PM	TWTh	01/03/17-02/02/17	21 211	Collar, Shari	

## **NAC 139 UNIT BASED CLINICAL EXPERIENCE**

The course includes clinical experience in a long-term care facility under the supervision of an instructor. Prerequisite(s): Documentation of required immunizations, ability to lift up to 25 pounds. Students must have a  $\frac{1}{2}$ No Record on File  $\frac{1}{2}$  related to crimes against children or vulnerable adults from the Washington State Patrol and DSHS. Successful completion of NAC 126, NAC 131, and NAC 133.

Instructor Permission required.

Additional Fee: 165.00

<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>
NS3C	3 Cr	0:RM-0:RM		02/07/17-02/28/17	ARRARR	Collar, Shari	

# **NURSING ASSISTANT I-BEST**

## **NAC 101 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 25 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>
NS03	6 Cr	8:00AM-2:30PM	TWTh	01/03/17-01/25/17	21 211	Hernandez, Ka	
NS63	6 Cr	3:00PM-5:00PM	TWTh	01/03/17-03/22/17	21 211	Dannen, Eliza	

## **NAC 102 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 25 pounds, and  $\frac{1}{2}$ No Record on File  $\frac{1}{2}$  from the Washington State Patrol and DSHS. Successful completion of NAC 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>
NS73	4 Cr	3:00PM-6:00PM	TWTh	01/03/17-03/22/17	21 235	Young, Sandr	
NS23	4 Cr	7:30AM-4:00PM	WTh	01/25/17-03/22/17	21 137	Sword, Yvette	
NS13	4 Cr	7:30AM-4:00PM	MT	01/30/17-03/22/17	21 137	Hernandez, Ka	

## **NAC 107 UNIT BASED CLINICAL EXPERIENCE**

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>
NS33	3 Cr	ARRANGED	ARRANGED	01/03/17-03/22/17	ARR	Hernandez, Ka	
NS83	3 Cr	3:00PM-6:00PM	TWTh	01/03/17-03/22/17	21 235	Young, Sandr	

## **NAC 131 NURSING FUNDAMENTALS SKILLS I-BEST**

Explore the principles of providing basic patient care; includes the minimum requirements for skill competencies as required under the Washington State and Omnibus Budget Reconciliation Act (OBRA) requirements for the nursing assistant. Students must correctly demonstrate 100 percent of the steps for each of the skills tested. Prerequisite(s): Documentation of required immunizations, ability to lift up to 25 pounds, and a  $\frac{1}{2}$ No Record on File  $\frac{1}{2}$  from the Washington State Patrol and DSHS.

Instructor Permission required.

Additional Fee: 40.00

<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>
NS3F	4 Cr	4:00PM-8:00PM	TWTh	01/03/17-02/02/17	21 211	Collar, Shari	

## **NAC 139 UNIT BASED CLINICAL EXPERIENCE**

The course includes clinical experience in a long-term care facility under the supervision of an instructor. Prerequisite(s): Documentation of required immunizations, ability to lift up to 25 pounds. Students must have  $\frac{1}{2}$ No Record on File  $\frac{1}{2}$  related to crimes against children or vulnerable adults from the Washington State Patrol and DSHS. Successful completion of NAC 126, NAC 131, and NAC 133.

Instructor Permission required.

Additional Fee: 165.00

<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>
NS3C 3 Cr		0:RM-0:RM		02/07/17-02/28/17	ARRARR	Collar, Shari	

## **NURSING PRACTICAL-NURSING**

### **NURS 125 PHARMACOLOGY IN NURSING**

Presents pharmacological concepts and principles for preparation and administration of medications, along with related client assessment and teaching. The role and responsibility of the practical nurse in drug therapy is emphasized. Students are prepared to participate safely and effectively in medication therapy. Prerequisite(s): Successful completion of NURS 117, NURS 120, NURS 122, NURS 123 and NURS 124.

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>
8003	3 Cr	8:00AM-11:00AM	M	01/09/17-03/20/17	21 210	Staff	[HYBRID]

### **NURS 126 BASIC HEALTH ASSESSMENT & SKILLS II**

Students will demonstrate competence in selected nursing skills, using simulation equipment or other nursing students as clients. Students will also have a clinical experience focusing on safe nursing practice, nursing process, communication, documentation, and client teaching. Prerequisite(s): Successful completion of NURS 117, NURS 120, NURS 122, NURS 123 and NURS 124.

Instructor Permission required.

Additional Fee: 88.00

<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>
8013	3 Cr	12:00PM-1:00PM	W	01/04/17-03/22/17	21 210	Cooper, Lara	[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 117, NURS 120, NURS 122, NURS 123 and NURS 124.

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>
8023	3 Cr	12:00PM-3:00PM	M	01/09/17-03/20/17	21 210	Anderson, Rii	[HYBRID]

### **NURS 130 NURSING OF CHILDREN**

Presents the principles necessary for the student to care for clients throughout the age continuum, with special emphasis on developmental stages and how they impact self-care. Common diseases and disorders related to each developmental stage are explored. Prerequisite(s): Successful completion of NURS 117, NURS 120, NURS 122, NURS 123 and NURS 124.

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>
8033	3 Cr	8:00AM-11:00AM	T	01/03/17-03/21/17	21 210	Serrano, Jean	[HYBRID]

### **NURS 131 MEDICAL-SURGICAL NURSING II**

Focuses on 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

consideration and client teaching are integrated. Prerequisite(s): Successful completion of NURS 117, NURS 120, NURS 122, NURS 123 and NURS 124.

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>
8043	3 Cr	8:00AM-11:00AM	W	01/04/17-03/22/17	21 210	Staff	[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 133, NURS 149 and NURS 153.

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>
8053	4 Cr	8:00AM-2:00PM	M	01/09/17-03/20/17	21 211	Westberry, Ca	[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.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
8063	2 Cr	10:00AM-12:00PM	M	01/09/17-03/20/17	21 211	Rose-Bungay	

### **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>
8073	4 Cr	ARRANGED	ARRANGED	01/03/17-03/22/17	ARR	Bahrt, David	[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: 102.00

<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>
8083	4 Cr	ARRANGED	ARRANGED	01/03/17-03/22/17	ARR	Bahrt, David	[HYBRID]

### **NURS 229 PSYCHOSOCIAL ISSUE IN HEALTHCARE**

Utilizes a concept-based approach focuses on emotional, mental, and social well-being of the client throughout the lifespan within a diverse population. Prerequisite(s): Admission to Associate Degree in Nursing (ADN) program. and NURS 204.

Instructor Permission required.

Additional Fee: 165.00

<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>
2523	2 Cr	3:30PM-5:30PM	M	01/09/17-03/20/17	21 210	Brickle, Matt	[HYBRID]

### **NURS 231 NURSING CONCEPTS IV**

Utilizes a concept-based approach to explore the nursing process in providing safe patient care for clients with complex health, care issues. The focus of this course will be on assessment, clinical decision making, evidence -based practice, and managing care. Prerequisite(s): Admission to Associate Degree in Nursing (ADN) program and NURS 204.

Instructor Permission required.

Additional Fee: 99.00

<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>
2513	3 Cr	4:00PM-7:00PM	W	01/04/17-03/22/17	21 210	Bahrt, David	[HYBRID]

### **NURS 239 NURSING CONCEPTS IV LABS**

Utilizes a concept-based approach to learn, practice and demonstrate competency on identified nursing within the scope of practice for the Registered Nurse. Prerequisite(s): Admission to Associate Degree in Nursing (ADN) program and NURS 204.

Instructor Permission required.

Additional Fee: 165.00

<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>
2503	3 Cr	5:00PM-7:00PM	M	01/09/17-03/20/17	21 210	Staff	[HYBRID]

### **NURS 243 NURSING CONCEPTS V**

Utilizes a concept-based approach to explore the nursing process in providing safe patient care for clients with complex health care issues. The focus of this course will be on provision of comfort, mobility, health wellness and illness, safety, development, and elimination. to Associate Degree in Nursing (ADN) program, and NURS 204.

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>
2533	4 Cr	4:00PM-8:00PM	Th	01/05/17-03/16/17	21 210	Bahrt, David	[HYBRID]

## **NURSING RN-OPTION**

### **NURS 125 PHARMACOLOGY IN NURSING**

Presents pharmacological concepts and principles for preparation and administration of medications, along with related client assessment and teaching. The role and responsibility of the practical nurse in drug therapy is emphasized. Students are prepared to participate safely and effectively in medication therapy. Prerequisite(s): Successful completion of NURS 117, NURS 120, NURS 122, NURS 123 and NURS 124.

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>
8003	3 Cr	8:00AM-11:00AM	M	01/09/17-03/20/17	21 210	Staff	[HYBRID]

### **NURS 126 BASIC HEALTH ASSESSMENT & SKILLS II**

Students will demonstrate competence in selected nursing skills, using simulation equipment or other nursing students as clients. Students will also have a clinical experience focusing on safe nursing

practice, nursing process, communication, documentation, and client teaching. Prerequisite(s): Successful completion of NURS 117, NURS 120, NURS 122, NURS 123 and NURS 124.

Instructor Permission required.

Additional Fee: 88.00

<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>
8013	3 Cr	12:00PM-1:00PM	W	01/04/17-03/22/17	21 210	Cooper, Lara	[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 117, NURS 120, NURS 122, NURS 123 and NURS 124.

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>
8023	3 Cr	12:00PM-3:00PM	M	01/09/17-03/20/17	21 210	Anderson, Rii	[HYBRID]

### **NURS 130 NURSING OF CHILDREN**

Presents the principles necessary for the student to care for clients throughout the age continuum, with special emphasis on developmental stages and how they impact self-care. Common diseases and disorders related to each developmental stage are explored. Prerequisite(s): Successful completion of NURS 117, NURS 120, NURS 122, NURS 123 and NURS 124.

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>
8033	3 Cr	8:00AM-11:00AM	T	01/03/17-03/21/17	21 210	Serrano, Jean	[HYBRID]

### **NURS 131 MEDICAL-SURGICAL NURSING II**

Focuses on 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 consideration and client teaching are integrated. Prerequisite(s): Successful completion of NURS 117, NURS 120, NURS 122, NURS 123 and NURS 124.

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>
8043	3 Cr	8:00AM-11:00AM	W	01/04/17-03/22/17	21 210	Staff	[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 133, NURS 149 and NURS 153.

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>
8053	4 Cr	8:00AM-2:00PM	M	01/09/17-03/20/17	21 211	Westberry, Ca	[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.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
8063	2 Cr	10:00AM-12:00PM	M	01/09/17-03/20/17	21 211	Rose-Bungay	

### **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>
8073	4 Cr	ARRANGED	ARRANGED	01/03/17-03/22/17	ARR	Bahrt, David	[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: 102.00

<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>
8083	4 Cr	ARRANGED	ARRANGED	01/03/17-03/22/17	ARR	Bahrt, David	[HYBRID]

### **NURS 229 PSYCHOSOCIAL ISSUE IN HEALTHCARE**

Utilizes a concept-based approach focuses on emotional, mental, and social well-being of the client throughout the lifespan within a diverse population. Prerequisite(s): Admission to Associate Degree in Nursing (ADN) program. and NURS 204.

Instructor Permission required.

Additional Fee: 165.00

<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>
2523	2 Cr	3:30PM-5:30PM	M	01/09/17-03/20/17	21 210	Brickle, Matt	[HYBRID]

### **NURS 231 NURSING CONCEPTS IV**

Utilizes a concept-based approach to explore the nursing process in providing safe patient care for clients with complex health, care issues. The focus of this course will be on assessment, clinical decision making, evidence -based practice, and managing care. Prerequisite(s): Admission to Associate Degree in Nursing (ADN) program and NURS 204.

Instructor Permission required.

Additional Fee: 99.00

<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>
2513	3 Cr	4:00PM-7:00PM	W	01/04/17-03/22/17	21 210	Bahrt, David	[HYBRID]

### **NURS 239 NURSING CONCEPTS IV LABS**

Utilizes a concept-based approach to learn, practice and demonstrate competency on identified nursing within the scope of practice for the Registered Nurse. Prerequisite(s): Admission to Associate Degree in Nursing (ADN) program and NURS 204.

Instructor Permission required.

Additional Fee: 165.00

<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>
2503	3 Cr	5:00PM-7:00PM	M	01/09/17-03/20/17	21 210	Staff	[HYBRID]

### **NURS 243 NURSING CONCEPTS V**

Utilizes a concept-based approach to explore the nursing process in providing safe patient care for

clients with complex health care issues. The focus of this course will be on provision of comfort, mobility, health wellness and illness, safety, development, and elimination. to Associate Degree in Nursing (ADN) program, and NURS 204.

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>
2533	4 Cr	4:00PM-8:00PM	Th	01/05/17-03/16/17	21 210	Bahrt, David	[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>
0569	Var	12:00PM-2:30PM	F	01/06/17-03/17/17	21 107	Scott, Patric	[HYBRID]

## **OPERATIONS MANAGEMENT**

### **ENG 082 BASIC READING AND WRITING**

Introduces and develops basic reading and writing skills. Focus in on writing proper sentences and sound paragraphs which 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 comprehension and increase vocabulary for college level reading requirements. Prerequisite: Appropriate COMPASS/SLEP placement scores. Prerequisite(s): Appropriate COMPASS (41 in reading, 13 in writing) placement score.

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	5 Cr	8:00AM-8:50AM	MTW	01/03/17-03/22/17	16 116	Mollas, Tula	[HYBRID]
5W02	5 Cr	1:00PM-1:50PM	MTW	01/03/17-03/22/17	16 116	Mollas, Tula	[HYBRID]
5W03	5 Cr	2:00PM-2:50PM	DAILY	01/03/17-03/22/17	16 202	Schwarder, C	[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.

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>
5W04	5 Cr	7:30AM-9:50AM	MW	01/03/17-03/21/17	16 205	Schwarder, C	[HYBRID]
5W05	5 Cr	11:00AM-11:50AM	DAILY	01/03/17-03/22/17	17 240	Martindale, K	[ENHANCED]
5W06	5 Cr	10:00AM-10:50AM	DAILY	01/03/17-03/22/17	16 205	Schwarder, C	[ENHANCED]
5W07	Var	1:00PM-3:20PM	MW	01/03/17-03/22/17	17 230	Heath, Terry	[ENHANCED]
5W08	5 Cr	3:00PM-3:50PM	DAILY	01/03/17-03/22/17	16 205	Schwarder, C	[ENHANCED]

### **ENG 102 COMPOSITION: ARGUMENTATION AND RESEARCH**

Continues to develop student writing skills practiced in ENGL& 101 with an emphasis on writing research papers and writing argumentative/persuasive essays. Through lecture, discussion, research, collaboration, reading, and writing, students will become familiar with the types of reasoning and other classical elements of argument. 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>
0570	5 Cr	ARRANGED	ARRANGED	01/03/17-03/22/17	ON LINE	Heath, Terry	[ONLINE]

### **OPM 313 QUALITY MANAGEMENT**

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>
BA03	5 Cr	ARRANGED	ARRANGED	01/07/17-03/18/17	ARR	Oyler, Mel	[HYBRID]

### **OPM 314 LOGISTICAL PLANNING AND SUPPLY CHAIN MANAGEMENT**

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>
BA13	5 Cr	ARRANGED	ARRANGED	01/07/17-03/18/17	ARR	Oyler, Mel	[HYBRID]

### **OPM 498 INDIVIDUAL CAPSTONE RESEARCH**

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>
BA33	5 Cr	ARRANGED	ARRANGED	01/07/17-03/18/17	19 122	Oyler, Mel	[HYBRID]

### **OPM 499 GROUP CAPSTONE PROJECT**

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>
BA43	5 Cr	ARRANGED	ARRANGED	01/07/17-03/18/17	19 122	Oyler, Mel	[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: 138.30

<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>
3543	7 Cr	0:RM-0:M	TWThF	01/03/17-03/21/17	23 313	Newman, Shell	

### **BAKE 114 DESSERT ALTERNATIVES**

Covers how to make sugar-free, vegan and gluten-free desserts. Students will explore how to develop and use special ingredients, techniques, and methods when making desserts not using standard ingredients, such as eggs, butter, white flour, and milk.

Instructor Permission required.

Additional Fee: 118.70

<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>
3503	3 Cr	10:00AM-12:00PM	WThF	01/04/17-02/16/17	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: 138.30

<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>
3553	7 Cr	0:RM-0:M	TWThF	01/03/17-03/21/17	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: 138.30

<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>
3563	7 Cr	6:00AM-2:30PM	TWThF	01/03/17-03/21/17	23 313	Newman, Shell	

### **BAKE 140 RESTAURANT DESSERTS**

Introduces students to the challenges of creating individual desserts for restaurants. Students will make individual desserts for the college restaurant and learn the detailed art of the Petit Fours.

Instructor Permission required.

Additional Fee: 128.50

<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>
3513	5 Cr	8:00AM-9:45AM	T	01/03/17-03/21/17	23 313	Newman, Shell	

### **BAKE 153 SUGAR WORK**

Introduces students to the stages of sugar work. Students will demonstrate how to make various sugar-based candies and pulled sugar items. The coloring and handling of sugar flowers and ribbons will also be demonstrated.

Instructor Permission required.

Additional Fee: 118.70

<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>
3523	3 Cr	12:00PM-2:00PM	WThF	01/04/17-02/16/17	23 313	Newman, Shell	

## **BAKE 157 WEDDING CAKES**

Covers elaborate techniques used in the composition, design, and execution of wedding cakes. Explores the use of gum paste, fondant, and modeling chocolate. Students will develop a cake rendering on the spot with a customer.

Instructor Permission required.

Additional Fee: 118.70

<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>
3533	3 Cr	10:00AM-12:00PM	WThF	01/04/17-03/17/17	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: 138.30

<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>
3573	7 Cr	8:30AM-1:30PM	WThF	01/04/17-03/17/17	23 313	Newman, Shell	

# **PHARMACY TECHNICIAN**

## **PT 128 PHARMACOLOGY PART II**

Continues the exploration of drug action mechanisms, the routes of administration, and the effects on body systems. Emphasis on the uses, effects, and side effects of the major drug classes and the systems they are used on. Prerequisite(s): Successful completion of PT 121, PT 124, PT 131, PT 144, and PT 156 with grades of B or above in all courses.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
2703	5 Cr	ARRANGED	ARRANGED	01/03/17-03/22/17	ON LINE	Sparks, M	[ONLINE]

## **PT 145 HOSPITAL PRACTICE**

Introduces students to formularies, manual and electronic distribution systems, and procedures for hospital practice. Prerequisite(s): Successful completion of PT 121, PT 124, PT 131, PT 144, and PT 156 with grades of B or above in all courses.

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>
2723	4 Cr	8:00AM-10:00AM	MT	01/03/17-03/22/17	21 226	Sparks, M	[HYBRID]

## **PT 148 CLINICAL CAPSTONE RESEARCH**

Discover local pharmacies and the requirements for internship. Explore professional conduct and appearance. Prepare for National Certification. Prerequisite: Successful completion of all first quarter pharmacy technician requirements.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
2743	4 Cr	12:00PM-2:00PM	W	01/04/17-03/21/17	21 226	Autry, Trisha	[HYBRID]

## **PT 153 GENERIC DRUG NAMES PART II**

Continues the exploration of the top 200 drugs prescribed in the United States each year, adding the component of drugs used specifically in the hospital setting. Prerequisite(s): Successful completion of PT

121, PT 124, PT 131, PT 144 and PT 156 with a grade of C+ or above.

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>
2713	3 Cr	10:00AM-11:00AM	W	01/04/17-03/21/17	21 226	Autry, Trisha	[HYBRID]

### **PT 160 STERILE PARENTERAL PRODUCT PREPARATIONS**

Students will apply techniques learned to prepare sterile compounding products. Emphasis will be on aseptic technique and USP <797>. Prerequisite(s): Successful completion of PT 121, PT 124, PT 131, PT 144 and PT 156 with grades of C+ or above in all courses.

Additional Fee: 88.00

<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>
2733	3 Cr	10:00AM-12:00PM	MT	01/03/17-03/22/17	21 226	Sparks, M	[HYBRID]

### **PT 163 COMMUNITY PHARMACY CLINICAL CAPSTONE**

Students will spend five-and-a-half weeks in a community pharmacy setting. While in this capstone experience, students will perform the duties of a community 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 requirements with grades of C+ 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>
2753	7 Cr	ARRANGED	ARRANGED	01/03/17-03/22/17	21 214	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 requirements with grades of C+ 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>
2763	7 Cr	ARRANGED	ARRANGED	01/03/17-03/22/17	21 214	Autry, Trisha	[ENHANCED]

## **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>
5103	4 Cr	12:00PM-3:00PM	DAILY	01/03/17-03/22/17	SHC105	Collins, Mars	

### **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>
5113	4 Cr	12:00PM-3:00PM	DAILY	01/03/17-03/22/17	SHC105	Collins, Mars	

### **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>
5123	4 Cr	12:00PM-3:00PM	DAILY	01/03/17-03/22/17	SHC105	Collins, Mars	

### **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>
5133	4 Cr	12:00PM-3:00PM	DAILY	01/03/17-03/22/17	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<sup>+</sup> 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>
5143	4 Cr	12:00PM-3:00PM	DAILY	01/03/17-03/22/17	SHC105	Collins, Mars	

### **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>
5153	4 Cr	12:00PM-3:00PM	DAILY	01/03/17-03/22/17	SHC105	Collins, Mars	

### **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>
5163	4 Cr	12:00PM-3:00PM	DAILY	01/03/17-03/22/17	SHC105	Collins, Mars	

**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>
5173	4 Cr	12:00PM-3:00PM	DAILY	01/03/17-03/22/17	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>
5183	4 Cr	8:00AM-11:00AM	DAILY	01/03/17-03/22/17	SHC105	Collins, Mars	

**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>
5193	4 Cr	8:00AM-11:00AM	DAILY	01/03/17-03/22/17	SHC105	Collins, Mars	

**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>
51A3	4 Cr	8:00AM-11:00AM	DAILY	01/03/17-03/22/17	SHC105	Collins, Mars	

**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>
51B3	4 Cr	8:00AM-11:00AM	DAILY	01/03/17-03/22/17	SHC105	Collins, Mars	[ENHANCED]

**AVP 155 INSTRUMENT PILOT IV**

Perform holding patterns and instrument approach procedures. Prerequisite(s): Grade of C<sup>+</sup> 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>
51C3	4 Cr	8:00AM-11:00AM	DAILY	01/03/17-03/22/17	SHC105	Collins, Mars	



**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	0:RM-0:M	DAILY	01/03/17-03/22/17	SHC105	Holm, Lucas	

**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	01/03/17-03/22/17	SHC105	Holm, Lucas	

**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  $\geq \frac{1}{2}C$  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>
51L3	4 Cr	8:00AM-11:00AM	DAILY	01/03/17-03/22/17	SHC105	Collins, Mars	

**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>
51M3	4 Cr	8:00AM-11:00AM	DAILY	01/03/17-03/22/17	SHC105	Collins, Mars	

**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	ARRANGED	ARRANGED	01/03/17-03/22/17	SHC105	Holm, Lucas	

### **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>
51N3	4 Cr	8:00AM-11:00AM	DAILY	01/03/17-03/22/17	SHC105	Collins, Mars	

### **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>
51P3	4 Cr	8:00AM-11:00AM	DAILY	01/03/17-03/22/17	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>
51Q3	4 Cr	8:00AM-11:00AM	DAILY	01/03/17-03/22/17	SHC105	Collins, Mars	

### **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>
51R3	4 Cr	8:00AM-11:00AM	DAILY	01/03/17-03/22/17	SHC105	Collins, Mars	

### **AVP 240 COMMERCIAL PILOT IX**

Operate a high-performance aircraft with retractable landing gear and constant-speed propeller. Increase proficiency in advanced 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>
51S3	4 Cr	8:00AM-11:00AM	DAILY	01/03/17-03/22/17	SHC105	Collins, Mars	

### **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<sup>+</sup> 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>
51T3	4 Cr	8:00AM-11:00AM	DAILY	01/03/17-03/22/17	SHC105	Collins, Mars	

### **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>
51U3	4 Cr	8:00AM-11:00AM	DAILY	01/03/17-03/22/17	SHC105	Collins, Mars	

### **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>
51V3	4 Cr	8:00AM-11:00AM	DAILY	01/03/17-03/22/17	SHC105	Collins, Mars	

### **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>
51W3	4 Cr	8:00AM-11:00AM	DAILY	01/03/17-03/22/17	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>
51X3	4 Cr	8:00AM-11:00AM	DAILY	01/03/17-03/22/17	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>
51Y3	4 Cr	8:00AM-11:00AM	DAILY	01/03/17-03/22/17	SHC105	Collins, Mars	

### **AVP 268 INSTRUMENT FLIGHT INSTRUCTOR**

Acquire the aeronautical knowledge, skills, and experience necessary to obtain an FAA Instrument Flight Instructor Rating added to student's ½s Certified Flight Instructor Certificate. Prerequisite(s): FAA Commercial Pilot Airplane Certificate with Instrument Airplane Rating Certified Flight Instructor-Airplane 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>
51Z3	4 Cr	8:00AM-11:00AM	DAILY	01/03/17-03/22/17	SHC105	Collins, Mars	

### **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 ½s 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	0:RM-0:M	DAILY	01/03/17-03/22/17	SHC105	Holm, Lucas	

## **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>
0548	5 Cr	ARRANGED	ARRANGED	01/03/17-03/22/17	ON LINE	Wheeler, Mike	[ONLINE]
0549	5 Cr	ARRANGED	ARRANGED	01/03/17-03/22/17	16 203	Anderson, Cha	[ENHANCED]

### **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 COMPASS (81 in reading, 77 in writing) placement 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>
0550	Var	ARRANGED	ARRANGED	01/03/17-03/22/17	ON LINE	Wheeler, Mike	[ONLINE]
0551	Var	ARRANGED	ARRANGED	01/03/17-03/22/17	ON LINE	Anderson, Cha	[ONLINE]
0552	5 Cr	8:00AM-8:50AM	DAILY	01/03/17-03/22/17	16 203	Wheeler, Mike	[ENHANCED]
0553	Var	9:00AM-9:50AM	DAILY	01/03/17-03/22/17	16 203	Rose-Pennisi	[ENHANCED]
0554	5 Cr	11:00AM-11:50AM	DAILY	01/03/17-03/22/17	16 203	Wheeler, Mike	[ENHANCED]
0555	Var	ARRANGED	ARRANGED	01/03/17-03/22/17	ON LINE	Rose-Pennisi	[ONLINE]
0556	5 Cr	1:00PM-1:50PM	DAILY	01/03/17-03/22/17	16 203	Staff	[HYBRID]
0557	5 Cr	3:00PM-3:50PM	DAILY	01/03/17-03/22/17	16 203	Baylor	[HYBRID]
0558	5 Cr	1:15PM-3:45PM	MW	01/04/17-03/22/17	SHC119	Baylor	[HYBRID]

### **PSYC& 200 LIFESPAN PSYCHOLOGY**

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
0559	Var	ARRANGED	ARRANGED	01/03/17-03/22/17	ON LINE	Sperry, David	[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 PSY 112.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
0560	5 Cr	ARRANGED	ARRANGED	01/03/17-03/22/17	ON LINE	Sperry, David	[ONLINE]

## **PUBLIC SPEAKING**

### **CMST& 220 BUSINESS AND PROFESSIONAL SPEAKING**

AN OPEN COURSE LIBRARY CLASS; 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, e-mail, community interaction, and other practical tools support student learning and increase public speaking skills. Emphasis is placed in principles of cultural diversity. Prerequisite: Appropriate COMPASS/SLEP placement score 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>
0517	5 Cr	7:30AM-9:50AM	TTh	01/03/17-03/21/17	14 212	Heath, Terry	[HYBRID]
0519	5 Cr	1:00PM-3:20PM	TTh	01/03/17-03/21/17	14 212	Heath, Terry	[HYBRID]
0518	5 Cr	1:00PM-3:20PM	MW	01/04/17-03/22/17	14 212	Martindale, K	[HYBRID]

# **RESTAURANT OPERATIONS**

## **REST 103 FOOD & BEVERAGE COST CONTROL**

Outlines the fundamentals of food costing in relation to menu writing. Students will be responsible for pricing out each item on the menu as well as preparing yield tests and standardizing recipes.

Instructor Permission required.

Additional Fee: 130.00

<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>
3273	4 Cr	8:30AM-10:00AM	MT	01/03/17-03/20/17	14 200B	Staff	[HYBRID]

## **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: 130.00

<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>
3283	3 Cr	0:RM-0:M	WThF	01/04/17-03/22/17	31	Staff	
3583	3 Cr	10:00AM-11:15AM	WThF	01/04/17-03/17/17	23 313	Newman, Shell	

## **REST 109 MARKETING/PUBLIC RELATIONS**

Learn how to create a marketing concept for your restaurant. Learn to define your target market and understand the importance of effective marketing in the industry. We will also look at current market trends, consumer behavior, market segmentation and positioning of your business in the market to get the desired results.

Instructor Permission required.

Additional Fee: 130.00

<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>
3293	3 Cr	12:15PM-1:00PM	MT	01/03/17-03/20/17	14 200B	Staff	[HYBRID]

## **REST 112 RESTAURANT DINING**

Familiarizes the student with all aspects of running a casual style dining room which is open to the public. Included are opening/closing procedures, table set-up, customer service techniques, and leadership, sanitation, and safety procedures.

Instructor Permission required.

Additional Fee: 130.00

<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>
32A3	7 Cr	0:RM-0:M	WThF	01/04/17-03/22/17	31	Staff	

## **REST 115 CATERING PRODUCTION**

Emphasis will focus on buffet preparation and presentation. Students will receive hands-on experience creating and executing catering requisitions. Students will explore designing menus for various events, functions, and price limits.

Instructor Permission required.

Additional Fee: 130.00

<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>
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32B3 3 Cr 1:15PM-2:00PM MT 01/03/17-03/20/17 14 200B Staff [HYBRID]

### **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.

Instructor Permission required.

Additional Fee: 149.60

<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>
32C3	4 Cr	10:30AM-12:00PM	MT	01/03/17-03/20/17	14 200B	Staff	[HYBRID]

### **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.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
32D3	4 Cr	ARRANGED	ARRANGED	01/03/17-03/22/17	ON LINE	Staff	[ONLINE]

## **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>
5783	3 Cr	ARRANGED	ARRANGED	01/03/17-03/22/17	ON LINE	Reygers, 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>
5793	3 Cr	ARRANGED	ARRANGED	01/03/17-03/22/17	ON LINE	Reygers, 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>
57A3	3 Cr	ARRANGED	ARRANGED	01/03/17-03/22/17	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>
5743	3 Cr	ARRANGED	ARRANGED	01/03/17-03/22/17	ON LINE	Reyggers, 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>
57B3	3 Cr	ARRANGED	ARRANGED	01/03/17-03/22/17	ON LINE	Reyggers, 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>
57C3	3 Cr	ARRANGED	ARRANGED	01/03/17-03/22/17	ON LINE	Reyggers, 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>
5773	3 Cr	ARRANGED	ARRANGED	01/03/17-03/22/17	ON LINE	Reyggers, 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>
57J3	3 Cr	ARRANGED	ARRANGED	01/03/17-03/22/17	ON LINE	Reyggers, 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>
5753	5 Cr	ARRANGED	ARRANGED	01/03/17-03/22/17	ON LINE	Reyggers, 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>
5723	5 Cr	ARRANGED	ARRANGED	01/03/17-03/22/17	ON LINE	Reyggers, 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>
57G3	5 Cr	ARRANGED	ARRANGED	01/03/17-03/22/17	ON LINE	Reyggers, 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>
5763	4 Cr	ARRANGED	ARRANGED	01/03/17-03/22/17	ON LINE	Reyggers, 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>
57H3	5 Cr	ARRANGED	ARRANGED	01/03/17-03/22/17	ON LINE	Reyggers, 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>
57K3	5 Cr	ARRANGED	ARRANGED	01/03/17-03/22/17	ON LINE	Reyggers, 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>
57D3	5 Cr	ARRANGED	ARRANGED	01/03/17-03/22/17	ON LINE	Reyggers, 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>
57L3	5 Cr	ARRANGED	ARRANGED	01/03/17-03/22/17	ON LINE	Reyggers, 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>
57F3	5 Cr	ARRANGED	ARRANGED	01/03/17-03/22/17	ON LINE	Reyggers, 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 COMPASS (81 in reading, 77 in writing) placement 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>
0561	Var	ARRANGED	ARRANGED	01/03/17-03/22/17	ON LINE	Rose-Pennisi	[ONLINE]
0562	5 Cr	ARRANGED	ARRANGED	01/03/17-03/22/17	ON LINE	Anderson, Cha	[ONLINE]
0563	5 Cr	11:00AM-11:50AM	DAILY	01/03/17-03/22/17	14 212	Rose-Pennisi	[ENHANCED]
0564	5 Cr	10:00AM-10:50AM	DAILY	01/03/17-03/22/17	16 203	Anderson, Cha	[ENHANCED]

## **SURGICAL TECHNOLOGY**

### **SURG 130 PATIENT CARE THEORY II**

Develops students' understanding of the surgical patient, the needs of special patient populations, and basic biomedical science. Students will complete their HIPAA and AIDS/HIV training. Prerequisite(s): Successful completion of SURG 126, SURG 127, SURG 141 and SURG 151.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4043	5 Cr	ARRANGED	ARRANGED	01/03/17-03/21/17	ON LINE	Armstrong, Ro	[ONLINE]

### **SURG 136 OPERATING ROOM THEORY I**

Introduces students to the OR environment, aseptic principles and practices, scrubbing, gowning, gloving, preparation of the sterile field, abdominal incisions, ob-gyn, general, ophthalmic, and genitourinary surgeries. Prerequisite(s): Successful completion of MAT 108, ENGL& 101, BIOL& 175, CAH 102, CAH 103, and SOC& 101.

Instructor Permission required.

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>
4023	8 Cr	7:00AM-10:30AM	WThF	01/03/17-03/21/17	21 113	Clark, Keza	[ENHANCED]

### **SURG 137 INTRODUCTION TO SURGERY**

Orients the student to the field of surgical technology, including history, working conditions, personal characteristics, professionalism, health care facilities, standards of conduct, the physical environment,

and safety standards. Prerequisite(s): Successful completion of MAT 108, ENGL& 101, BIOL& 175, CAH 102, CAH 103, and SOC& 101.

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>
4003	5 Cr	ARRANGED	ARRANGED	01/03/17-03/21/17	ON LINE	Clark, Keza	[ONLINE]

### **SURG 138 INTRODUCTION TO ASEPSIS AND INSTRUMENTATION**

Orients students to the principles of asepsis and sterile technique; surgical case management; instrumentation; supplies; and wound healing related to sutures, needles, and stapling devices.

Prerequisite(s): Successful completion of MAT 108, ENGL& 101, BIOL& 175, CAH 102, CAH 103, and SOC& 101.

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>
4013	5 Cr	ARRANGED	ARRANGED	01/03/17-03/21/17	ON LINE	Clark, Keza	[ONLINE]

### **SURG 146 SURGICAL LAB I**

Introduces students to the OR environment, aseptic principles and practices, scrubbing, gowning, gloving, and preparation of the sterile field. Prerequisite(s): Successful completion of MAT 108, ENGL& 101, BIOL& 175, CAH 102, CAH 103, and SOC& 101.

Instructor Permission required.

Additional Fee: 18.75

<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>
4033	5 Cr	11:00AM-1:30PM	TWThF	01/03/17-03/21/17	21 120	Clark, Keza	[ENHANCED]

### **SURG 206 OPERATING ROOM THEORY III**

Classroom and lab presentations of surgical procedures. Prerequisite(s): Successful completion of SURG 126, SURG 127, SURG 141 and SURG 151.

Additional Fee: 30.00

<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>
4063	8 Cr	11:00AM-1:30PM	WThF	01/04/17-03/21/17	21 113	Armstrong, Ro	[HYBRID]

### **SURG 207 MICROBIOLOGY**

Students will discuss the historical background of microbiology and be able to identify basic equipment used to identify microorganisms. We will go into many aspects of microbiology, including the description of structure and characteristics of different microorganisms, conditions that affect the life and the death of microorganisms, the relationships between humans and pathogenic and nonpathogenic bacteria, and factors that enable pathogens to invade a host and cause a disease. Prerequisite(s): Successful completion of SURG 126, SURG 127, SURG 141 and SURG 151.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4053	5 Cr	ARRANGED	ARRANGED	01/03/17-03/21/17	ON LINE	Armstrong, Ro	[ONLINE]

### **SURG 211 SURGICAL LAB III**

Lab presentations and practice of surgical procedures to include cardiothoracic, peripheral vascular, laparoscopic, emergent and neurosurgical procedures. Prerequisite(s): Successful completion of SURG 126, SURG 127, SURG 141 and SURG 151.

Additional Fee: 364.00

<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>
4073	5 Cr	7:00AM-10:30AM	TWThF	01/03/17-03/21/17	21 120	Armstrong, Ro	[ENHANCED]

### **SURG 225 CLINICAL APPLICATIONS III**

See Clinical Applications. Prerequisite(s): Successful completion of SURG 215, SURG 220 and SURG

235.

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>
4083	5 Cr	6:00AM-3:00PM	MTWTh	01/03/17-02/02/17	ARR	Armstrong, Ro	[ENHANCED]

### **SURG 230 CLINICAL APPLICATIONS IV**

See Clinical Applications. Prerequisite(s): Successful completion of SURG 215, SURG 220, SURG 225 and SURG 235.

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>
4093	5 Cr	6:00AM-3:00PM	MTWTh	02/06/17-03/21/17	ARR	Armstrong, Ro	[ENHANCED]

### **SURG 240 SEMINAR II**

Classroom presentations of employability skills, preoperative routines, and transportation. Classroom preparation for the NBSTSA Certification Exam. Prerequisite(s): Successful completion of SURG 215, SURG 220 and SURG 235.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
40A3	3 Cr	7:00AM-11:00AM	F	01/06/17-03/17/17	21 120	Armstrong, Ro	[ENHANCED]

## **WELDING TECHNOLOGY**

### **WLD 105 WELDING THEORY I**

Introduces the tools and equipment used in welding. Includes safety considerations, electrical principles, weld quality, and technical orientation for select welding and cutting processes. Corequisites: WLD 110 and WLD 112.

Instructor Permission required.

Additional Fee: 105.00

<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>
9803	5 Cr	7:00AM-12:00PM	DAILY	01/03/17-03/22/17	25 403	Meyers, David	
98AQ	5 Cr	5:00PM-10:00PM	DAILY	01/03/17-03/22/17	25 403	Tonyuk, Dmitr	
98P3	5 Cr	12:00PM-5:00PM	DAILY	01/03/17-03/22/17	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: 105.00

<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>
9813	3 Cr	7:00AM-12:00PM	DAILY	01/03/17-03/22/17	25 403	Meyers, David	
98AR	3 Cr	5:00PM-10:00PM	DAILY	01/03/17-03/22/17	25 403	Tonyuk, Dmitr	
98Q3	3 Cr	12:00PM-5:00PM	DAILY	01/03/17-03/22/17	25 403	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: 105.00

<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>
9823	4 Cr	7:00AM-12:00PM	DAILY	01/03/17-03/22/17	25 403	Meyers, David	
98AS	4 Cr	5:00PM-10:00PM	DAILY	01/03/17-03/22/17	25 403	Tonyuk, Dmitr	
98R3	4 Cr	12:00PM-5:00PM	DAILY	01/03/17-03/22/17	25 403	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: 105.00

<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>
9833	7 Cr	7:00AM-12:00PM	DAILY	01/03/17-03/22/17	25 403	Meyers, David	
98AT	7 Cr	5:00PM-10:00PM	DAILY	01/03/17-03/22/17	25 403	Tonyuk, Dmitr	
98T3	7 Cr	12:00PM-5:00PM	DAILY	01/03/17-03/22/17	25 403	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: 105.00

<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>
9843	7 Cr	7:00AM-12:00PM	DAILY	01/03/17-03/22/17	25 403	Meyers, David	
98AU	7 Cr	5:00PM-10:00PM	DAILY	01/03/17-03/22/17	25 403	Tonyuk, Dmitr	
98U3	7 Cr	12:00PM-5:00PM	DAILY	01/03/17-03/22/17	25 403	Agostino, Jus	

### **WLD 142 WELDING THEORY II**

Explores methods of weld inspection and testing, and continues the technical orientation to select welding processes. Prerequisite: Successful completion of WLD 105.

Instructor Permission required.

Additional Fee: 105.00

<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>
9853	5 Cr	7:00AM-12:00PM	DAILY	01/03/17-03/22/17	25 403	Meyers, David	
98AV	5 Cr	5:00PM-10:00PM	DAILY	01/03/17-03/22/17	25 403	Tonyuk, Dmitr	
98V3	5 Cr	12:00PM-5:00PM	DAILY	01/03/17-03/22/17	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: 105.00

<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>
9863	5 Cr	7:00AM-12:00PM	DAILY	01/03/17-03/22/17	25 403	Meyers, David	
98AW	5 Cr	5:00PM-10:00PM	DAILY	01/03/17-03/22/17	25 403	Tonyuk, Dmitr	
98W3	5 Cr	12:00PM-5:00PM	DAILY	01/03/17-03/22/17	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: 105.00

<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>
9873	7 Cr	7:00AM-12:00PM	DAILY	01/03/17-03/22/17	25 403	Meyers, David	
98AX	7 Cr	5:00PM-10:00PM	DAILY	01/03/17-03/22/17	25 403	Tonyuk, Dmitr	
98X3	7 Cr	12:00PM-5:00PM	DAILY	01/03/17-03/22/17	25 403	Agostino, Jus	

### **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: 105.00

<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>
9883	5 Cr	7:00AM-12:00PM	DAILY	01/03/17-03/22/17	25 403	Meyers, David	
98AY	5 Cr	5:00PM-10:00PM	DAILY	01/03/17-03/22/17	25 403	Tonyuk, Dmitr	
98Y3	5 Cr	12:00PM-5:00PM	DAILY	01/03/17-03/22/17	25 403	Agostino, Jus	

### **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: 105.00

<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>
9893	7 Cr	7:00AM-12:00PM	DAILY	01/03/17-03/22/17	25 403	Meyers, David	
98AZ	7 Cr	5:00PM-10:00PM	DAILY	01/03/17-03/22/17	25 403	Tonyuk, Dmitr	
98Z3	7 Cr	12:00PM-5:00PM	DAILY	01/03/17-03/22/17	25 403	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: 105.00

<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>
98AD	7 Cr	12:00PM-5:00PM	DAILY	01/03/17-03/22/17	25 403	Agostino, Jus	
98BD	7 Cr	5:00PM-10:00PM	DAILY	01/03/17-03/22/17	25 403	Tonyuk, Dmitr	
98D3	7 Cr	7:00AM-12:00PM	DAILY	01/03/17-03/22/17	25 403	Meyers, David	

### **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: 105.00

<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>
98AF	7 Cr	12:00PM-5:00PM	DAILY	01/03/17-03/22/17	25 403	Agostino, Jus	
98BF	7 Cr	5:00PM-10:00PM	DAILY	01/03/17-03/22/17	25 403	Tonyuk, Dmitr	
98F3	7 Cr	7:00AM-12:00PM	DAILY	01/03/17-03/22/17	25 403	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: 105.00

<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>
98AG	7 Cr	12:00PM-5:00PM	DAILY	01/03/17-03/22/17	25 403	Agostino, Jus	
98BG	7 Cr	5:00PM-10:00PM	DAILY	01/03/17-03/22/17	25 403	Tonyuk, Dmitr	
98G3	7 Cr	7:00AM-12:00PM	DAILY	01/03/17-03/22/17	25 403	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: 105.00

<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>
98AJ	Var	0:RM-0:M	DAILY	01/03/17-03/22/17	25 403	Agostino, Jus	
98BJ	Var	ARRANGED	ARRANGED	01/03/17-03/22/17	25 403	Tonyuk, Dmitr	
98H3	Var	ARRANGED	ARRANGED	01/03/17-03/22/17	25 403	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: 105.00

<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>
98AK	Var	0:RM-0:M	DAILY	01/03/17-03/22/17	25 403	Agostino, Jus	
98BK	Var	0:RM-0:M	DAILY	01/03/17-03/22/17	25 403	Tonyuk, Dmitr	
98J3	Var	0:RM-0:M	DAILY	01/03/17-03/22/17	25 403	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: 105.00

<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>
98AC	7 Cr	12:00PM-5:00PM	DAILY	01/03/17-03/22/17	25 403	Agostino, Jus	
98BC	7 Cr	5:00PM-10:00PM	DAILY	01/03/17-03/22/17	25 403	Tonyuk, Dmitr	
98C3	7 Cr	7:00AM-12:00PM	DAILY	01/03/17-03/22/17	25 403	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: 105.00

<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>
98AM	7 Cr	12:00PM-5:00PM	DAILY	01/03/17-03/22/17	25 403	Agostino, Jus	

98BM	7 Cr	5:00PM-10:00PM	DAILY	01/03/17-03/22/17	25 403	Tonyuk, Dmitr
98K3	7 Cr	7:00AM-12:00PM	DAILY	01/03/17-03/22/17	25 403	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: 105.00

<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>
98AN	7 Cr	12:00PM-5:00PM	DAILY	01/03/17-03/22/17	25 403	Agostino, Jus	
98BN	7 Cr	5:00PM-10:00PM	DAILY	01/03/17-03/22/17	25 403	Tonyuk, Dmitr	
98L3	7 Cr	7:00AM-12:00PM	DAILY	01/03/17-03/22/17	25 403	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: 105.00

<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>
98AP	7 Cr	12:00PM-5:00PM	DAILY	01/03/17-03/22/17	25 403	Agostino, Jus	
98BP	7 Cr	5:00PM-10:00PM	DAILY	01/03/17-03/22/17	25 403	Tonyuk, Dmitr	
98N3	7 Cr	7:00AM-12:00PM	DAILY	01/03/17-03/22/17	25 403	Meyers, David	

### WLD 233 LAYOUT AND FABRICATION

Instructor Permission required.

Additional Fee: 105.00

<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>
98AH	7 Cr	12:00PM-5:00PM	DAILY	01/03/17-03/22/17	25 403	Agostino, Jus	
98BL	7 Cr	5:00PM-10:00PM	DAILY	01/03/17-03/22/17	25 403	Tonyuk, Dmitr	
98M3	7 Cr	7:00AM-12:00PM	DAILY	01/03/17-03/22/17	25 403	Meyers, David	

### WLD 235 WABO TEST PREP

Instructor Permission required.

Additional Fee: 105.00

<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>
98B3	7 Cr	7:00AM-12:00PM	DAILY	01/02/17-03/22/17	25 403	Meyers, David	
98AB	7 Cr	12:00PM-5:00PM	DAILY	01/03/17-03/22/17	25 403	Agostino, Jus	
98BH	7 Cr	5:00PM-10:00PM	DAILY	01/03/17-03/22/17	25 403	Tonyuk, Dmitr	

### WLD 238 FCAW II

Instructor Permission required.

Additional Fee: 105.00

<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>
98A3	7 Cr	7:00AM-12:00PM	DAILY	01/03/17-03/22/17	25 403	Meyers, David	
98AA	7 Cr	12:00PM-5:00PM	DAILY	01/03/17-03/22/17	25 403	Agostino, Jus	
98BB	7 Cr	5:00PM-10:00PM	DAILY	01/03/17-03/22/17	25 403	Tonyuk, Dmitr	