

Summer Quarter 2019 Class Schedule

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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>	<u>Delivery</u>
4911	5 Cr	9:00AM-10:50AM	MW	07/01/19-08/28/19	11 144	Dorum, Lucy	HYBRID	

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>	<u>Delivery</u>
4961	5 Cr	ARRANGED	ARRANGED	07/01/19-08/28/19	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.

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>	<u>Delivery</u>
4981	5 Cr	9:00AM-10:50AM	TTh	07/02/19-08/28/19	11 144	Dorum, Lucy	HYBRID	

ACTG 120 ELECTRONIC BUSINESS MATH

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

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
4901	2 Cr	ARRANGED	ARRANGED	07/01/19-08/29/19	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>	<u>Delivery</u>
4921	2 Cr	9:00AM-10:50AM	TTh	07/02/19-07/25/19	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>	<u>Delivery</u>
4931	3 Cr	9:00AM-10:50AM	TTh	08/01/19-08/27/19	11 127	Cooke, Suzann		

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>	<u>Delivery</u>
4951	2 Cr	ARRANGED	ARRANGED	07/01/19-08/21/19	ON LINE	Dorum, Lucy	ONLINE	
4941	2 Cr	11:00AM-11:50AM	W	07/03/19-08/21/19	11 127	Dorum, Lucy	HYBRID	

ACTG 213 PRINCIPLES OF ACCOUNTING III LAB

Provides instructional activities that support material covered in ACCT& 203 in a supervised lab environment. 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>	<u>Delivery</u>
4991	3 Cr	ARRANGED	ARRANGED	07/01/19-08/28/19	ON LINE	Dorum, Lucy	ONLINE	

ACTG 222 FUNDAMENTALS OF INDIVIDUAL TAX ACCOUNTING

Introduces the fundamentals of individual income tax accounting theory and practice, including a study of the rules and regulations for preparation of the most common forms and schedules, a brief review of the history of income taxation, tax laws in the United States, and the differences between generally accepted accounting principles and income tax accounting. Prerequisite(s): Successful completion of ACTG 115 or instructor approval.

Additional Fee: 19.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
49A1	4 Cr	11:00AM-11:50AM	MTTh	07/01/19-08/28/19	11 127	Cooke, Suzann	HYBRID	

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 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>	<u>Delivery</u>
4971	5 Cr	ARRANGED	ARRANGED	07/01/19-08/28/19	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>	<u>Delivery</u>
49B1	3 Cr	10:00AM-10:50AM	MW	07/01/19-08/26/19	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. Prerequisite(s): Successful completion of ACTG 143, ACTG 236, 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>	<u>Delivery</u>
49C1	5 Cr	12:00PM-2:00PM	TWThF	07/03/19-08/21/19	11 127	Dorum, Lucy	HYBRID	

ACTG 262 BUSINESS OFFICE II

Provides an opportunity for students to experience and participate in a realistic office environment by providing financial statements, completing financial examinations, preparing payroll, and furnishing other similar financial accounting work products. Prerequisite(s): Successful completion of ACTG 260, 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>	<u>Delivery</u>
49D1	5 Cr	12:00PM-2:00PM	TWThF	07/03/19-08/21/19	11 127	Dorum, Lucy	HYBRID	

ACTG 271 INTERNSHIP I

Provides students with practical on-the-job field experience. Program offers students a way to combine classroom study with related work experience under the supervision of an employer. Work experience must be related to the student's educational and career objectives. Must be approved by the instructor 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>	<u>Delivery</u>
49G1	5 Cr	ARRANGED	ARRANGED	07/01/19-08/22/19	11 144	Cooke, Suzann		

BUS& 201 BUSINESS LAW

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

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
49F1	5 Cr	ARRANGED	ARRANGED	07/01/19-08/28/19	ON LINE	Cooke, Suzann	ONLINE	

AEROSPACE COMPOSITE

ACM 120 COMPOSITE FABRICATION

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

Additional Fee: 52.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
0961	4 Cr	12:30PM-4:00PM	DAILY	07/01/19-08/30/19	SHC	Conway, Jacki		

ACM 125 COMPOSITE ASSEMBLY

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

Additional Fee: 52.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
0971	4 Cr	12:30PM-4:00PM	DAILY	07/01/19-08/30/19	SHC	Conway, Jacki		

ACM 145 SPECIAL PROJECTS

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

Additional Fee: 52.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
0981	3 Cr	12:30PM-4:00PM	DAILY	07/01/19-08/30/19	SHC	Conway, Jacki		

AMERICAN SIGN LANGUAGE

ASL& 121 AMERICAN SIGN LANGUAGE I

Informs students about deafness, deaf culture, the deaf community, and American Sign Language. Learn to communicate both expressively and receptively in American Sign Language in basic conversation situations.

Prerequisite(s): Appropriate Accuplacer (reading/writing combined score of 277 or equivalent) or successful completion of ENG 094.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
0504	5 Cr	2:00PM-4:30PM	MW	07/01/19-08/30/19	17 240	Wilson, Jaime	HYBRID	

ARCHITECTURAL ENGINEERING DESIGN

ARC 124 RESIDENTIAL DRAFTING AND DESIGN II

Overview of construction specifications, residential floor plans, symbols and systems, electrical plans, plumbing plans, HVAC plans, and foundation systems and plans. Prerequisite(s): Successful completion of ARC 122, ARC 171, and ARC 182, or instructor approval.

Additional Fee: 55.15

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
6301	5 Cr	11:00AM-12:20PM	MTWTh	07/01/19-08/29/19	19 201	Bushnell, Pop	HYBRID	

ARC 151 CONSTRUCTION MATERIAL RESEARCH

Students will investigate and research materials, methods, and trends in construction; the Construction Specification Institute's (CSI) MasterFormat, SectionFormat, and PageFormat systems; and methods of specifying.

Prerequisite(s): Successful completion of ARC 122, ARC 171, and ARC 182, or instructor approval.

Additional Fee: 55.15

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
6311	5 Cr	8:00AM-9:20AM	MTWTh	07/01/19-08/29/19	19 201	Bushnell, Pop	HYBRID	

ARC 174 CIVIL ENGINEERING

An introduction to civil engineering software. Students will learn to create, edit and modify civil CAD design objects, add annotation, obtain information, import/export, and use civil CAD data in other applications. Prerequisite(s): Successful completion of ARC 126 and ARC 282, or instructor approval.

Additional Fee: 55.15

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
6321	5 Cr	9:30AM-10:50AM	MTWTh	07/01/19-08/29/19	19 203	Lunceford, Ce	HYBRID	
63C1	5 Cr	1:00PM-2:20PM	MTWTh	07/01/19-08/29/19	19 203	Lunceford, Ce	HYBRID	

ARC 191 ENGINEERING MECHANICS OF MATERIALS

Students will apply basic engineering used in the building design field: forces, force systems, loading, and reactions; material stress and strain; selection of wood columns and wood connection materials; steel structural materials; and reinforced concrete materials. Prerequisite(s): Successful completion of ARC 126, and MAT 094 or higher or instructor approval.

Additional Fee: 55.15

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
6331	5 Cr	2:30PM-3:50PM	MTWTh	07/01/19-08/29/19	19 201	Bushnell, Pop	ENHANCED	

ARC 220 RESIDENTIAL DRAFTING AND DESIGN IV

Overview of site planning, framing methods and plans, commercial building codes, and materials for commercial construction. Students will create drawings using industry standard CAD software. Prerequisite(s): Successful completion of ARC 126, or instructor approval.

Additional Fee: 55.15

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
6341	5 Cr	9:30AM-10:50AM	MTWTh	07/01/19-08/29/19	19 201	Bushnell, Pop	HYBRID	

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 and ARC 281

Additional Fee: 55.15

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
6351	5 Cr	11:00AM-12:20PM	MTWTh	07/01/19-08/29/19	19 203	Lunceford, Ce	HYBRID	

ARC 227 SPECIAL INTERN PROJECT

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

Additional Fee: 55.15

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
6361	5 Cr	ARRANGED	ARRANGED	07/01/19-08/30/19	ARR	Bushnell, Pop		

ARC 229 SPECIAL DESIGN PROJECT

Complete special design project as approved by the Instructor to aid in realistic training. Lab hours arranged. Prerequisites: Successful completion of ARC 262 and ARC 286, or instructor approval.

Additional Fee: 55.15

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
6371	5 Cr	8:00AM-9:20AM	MTWTh	07/01/19-08/29/19	19 203	Lunceford, Ce	HYBRID	

ARC 231 COST ESTIMATING I

Completion of a computerized, detailed cost estimate for one-story house with site development.

Additional Fee: 45.35

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
6381	3 Cr	1:00PM-1:50PM	MTWTh	07/01/19-08/21/19	19 201	Bushnell, Pop	HYBRID	

ARC 237 ENERGY ANALYSIS

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

Additional Fee: 35.55

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
63A1	1 Cr	2:30PM-3:20PM	MTWTh	07/01/19-07/16/19	19 203	Lunceford, Ce	HYBRID	

ARC 288 APPLIED CADD

Use current industry-standard 3D software applications (i.e. Revit, SketchUp, Civil3D) to create or modify a design. Produce production drawings. Save, print, or transmit drawings to industry-standard applications.

Prerequisite(s): Successful completion of ARC 262, 223 and ARC 282, or instructor approval.

Additional Fee: 55.15

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
63B1	5 Cr	3:30PM-4:50PM	MTWTh	07/01/19-08/29/19	19 203	Lunceford, Ce	HYBRID	

ART

ART& 100 ART APPRECIATION

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

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

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
0502	5 Cr	ARRANGED	ARRANGED	07/01/19-08/30/19	ON LINE	Rendal, Cami	ONLINE	

AUTOMOTIVE COLLISION TECHNICIAN

IAUT 104 INTRODUCTION TO AUTOMOTIVE ELECTRICAL

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

Instructor Permission required.

Additional Fee: 69.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
9611	4 Cr	7:30AM-1:50PM	DAILY	07/01/19-08/30/19	03 402	Vargo, Alan		

IAUT 105 INTRODUCTION TO AUTOMOTIVE TECHNOLOGY

Instructor Permission required.

Additional Fee: 69.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
9601	4 Cr	7:30AM-1:50PM	DAILY	07/01/19-08/30/19	03 402	Vargo, Alan		

IAUT 115 INTRO TO AUTOMOTIVE STEERING, SUSPENSION & BRAKE

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

Instructor Permission required.

Additional Fee: 74.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
9621	5 Cr	7:30AM-1:50PM	DAILY	07/01/19-08/30/19	03 402	Vargo, Alan		

IAUT 130 AUTOMOTIVE HVAC

This course is an introduction to automotive HVAC systems. Students will learn to identify HVAC system components, determine proper refrigerant type, diagnose common HVAC symptoms, and locate, identify, and describe the function of the various air-conditioning components. Co-requisite: IAUT 102, IAUT 104, IAUT 115, AND IAUT 139.

Instructor Permission required.

Additional Fee: 59.80

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
9631	2 Cr	7:30AM-1:50PM	DAILY	07/01/19-08/30/19	03 402	Vargo, Alan		

IAUT 140 BASIC AUTOMOTIVE WELDING

Instructor Permission required.

Additional Fee: 69.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
9641	4 Cr	7:30AM-1:50PM	DAILY	07/01/19-08/30/19	03 402	Vargo, Alan		

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.

Instructor Permission required.

Additional Fee: 61.65

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
9651	6 Cr	7:30AM-1:50PM	DAILY	07/01/19-08/30/19	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.

Instructor Permission required.

Additional Fee: 61.65

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
9661	6 Cr	7:30AM-1:50PM	DAILY	07/01/19-08/30/19	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.

Instructor Permission required.

Additional Fee: 56.75

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
9671	5 Cr	7:30AM-1:50PM	DAILY	07/01/19-08/30/19	03 301	Freeman, Kurt		

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.

Instructor Permission required.

Additional Fee: 71.45

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
9681	8 Cr	7:30AM-1:50PM	DAILY	07/01/19-08/30/19	03 301	Mullins, Mich		

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.

Instructor Permission required.

Additional Fee: 56.75

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
9691	5 Cr	7:30AM-1:50PM	DAILY	07/01/19-08/30/19	03 301	Mullins, Mich		

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.

Instructor Permission required.

Additional Fee: 56.75

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
96A1	5 Cr	7:30AM-1:50PM	DAILY	07/01/19-08/30/19	03 301	Mullins, Mich		

AUTOMOTIVE RESTORATION AND CUSTOMIZATION

ARCF 103 FUNDAMENTALS OF SHOP EQUIPMENT

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

Instructor Permission required.

Additional Fee: 46.95

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
1701	3 Cr	7:30AM-1:50PM	DAILY	07/01/19-08/30/19	03 307	Freeman, Kurt		

ARCF 109 WELDING & METAL SKILLS

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

Instructor Permission required.

Additional Fee: 51.85

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
1711	4 Cr	7:30AM-1:50PM	DAILY	07/01/19-08/30/19	03 307	Freeman, Kurt		

ARCF 114 BASIC REPAIRS AND ASSEMBLY

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

Instructor Permission required.

Additional Fee: 71.45

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
1721	8 Cr	7:30AM-1:50PM	DAILY	07/01/19-08/30/19	03 307	Freeman, Kurt		

ARCF 119 CUSTOM FABRICATION

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

Instructor Permission required.

Additional Fee: 61.65

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
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1731 6 Cr 7:30AM-1:50PM DAILY 07/01/19-08/30/19 03 307 Freeman, Kurt

ARCF 124 REFINISHING EQUIPMENT

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

Instructor Permission required.

Additional Fee: 51.85

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
1741	4 Cr	7:30AM-1:50PM	DAILY	07/01/19-08/30/19	03 306	Mullins, Mich		

ARCF 129 REFINISH PREPARATION

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

Instructor Permission required.

Additional Fee: 66.55

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
1751	7 Cr	7:30AM-1:50PM	DAILY	07/01/19-08/30/19	03 306	Mullins, Mich		

ARCF 130 ADVANCED PAINT APPLICATION

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

Instructor Permission required.

Additional Fee: 61.65

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
1761	Var	7:30AM-1:50PM	DAILY	07/01/19-08/30/19	03 306	Mullins, Mich		

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.

Additional Fee: 61.65

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
1771	6 Cr	7:30AM-1:50PM	DAILY	07/01/19-08/30/19	03 307	Freeman, Kurt		

ARCF 134 CUSTOM REFINISHING

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

Instructor Permission required.

Additional Fee: 61.65

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
1781	6 Cr	7:30AM-1:50PM	DAILY	07/01/19-08/30/19	03 306	Mullins, Mich		

ARCF 141 SURFACE IMPERFECTIONS/SHOW AND SHINE

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

Instructor Permission required.

Additional Fee: 51.85

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
1791	4 Cr	7:30AM-1:50PM	DAILY	07/01/19-08/30/19	03 306	Mullins, Mich		

ARCF 154 AUTOMOTIVE RESTORATION & CUSTOM LAB

Finish projects and competencies in restoration and/or customizing. Nine credits in summer quarter; variable credit

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

Instructor Permission required.

Additional Fee: 76.35

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
17A1	9 Cr	7:30AM-1:50PM	DAILY	07/01/19-08/30/19	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.

Additional Fee: 61.65

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
17B1	Var	7:30AM-1:50PM	DAILY	07/01/19-08/30/19	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.

Additional Fee: 46.95

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
17C1	3 Cr	7:30AM-1:50PM	DAILY	07/01/19-08/30/19	03 306	Mullins, Mich		

ARCF 168 APPLIED METAL SKILLS

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

Instructor Permission required.

Additional Fee: 46.95

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
17D1	3 Cr	7:30AM-1:50PM	DAILY	07/01/19-08/30/19	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.

Additional Fee: 61.65

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
17F1	Var	7:30AM-1:50PM	DAILY	07/01/19-08/30/19	03 307	Freeman, Kurt		

AUTOMOTIVE TECHNICIAN

AUT 174 ENGINE MINOR MECHANICAL REPAIR

Diagnose and repair general engine mechanical, lubrication, and cooling system problems. Upon completion of this course, students 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.

Instructor Permission required.

Additional Fee: 61.65

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
4601	6 Cr	7:30AM-1:50PM	DAILY	07/01/19-08/30/19	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.

Instructor Permission required.

Additional Fee: 66.55

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
4611	7 Cr	7:30AM-1:50PM	DAILY	07/01/19-08/30/19	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, students will be familiar with diagnosis, maintenance and repair of automobile and light truck engines. Prerequisite(s): Must have required tools and textbooks. Co-requisites: AUT 174 and AUT 175.

Instructor Permission required.

Additional Fee: 46.95

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
4621	3 Cr	7:30AM-1:50PM	DAILY	07/01/19-08/30/19	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.

Instructor Permission required.

Additional Fee: 66.55

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
4661	7 Cr	7:30AM-1:50PM	DAILY	07/01/19-08/30/19	03 901	Covington, G		

AUT 223 AUTOMOTIVE FUEL SYSTEMS

Diagnose and repair fuel management 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 217 and AUT 236.

Instructor Permission required.

Additional Fee: 66.55

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
4671	7 Cr	7:30AM-1:50PM	DAILY	07/01/19-08/30/19	03 901	Covington, G		

AUT 236 AUTOMOTIVE EMISSIONS SYSTEMS

Diagnose and repair emissions control 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 217 and AUT 223.

Instructor Permission required.

Additional Fee: 66.55

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
4681	7 Cr	7:30AM-1:50PM	DAILY	07/01/19-08/30/19	03 901	Covington, G		

AUT 247 AUTOMATICS TRANSMISSIONS

46B1 2 Cr 7:30AM-1:50PM DAILY 07/01/19-08/30/19 03 601 Staff HYBRID

AUTH 120 TOYOTA PRIUS HYBRID SYSTEMS

Covers the Toyota systems in use today, with a focus on the Prius model. Prerequisite(s): Students must have completed an ASE/NATEF-certified automotive training program or have instructor's permission with two years of automotive experience.

Additional Fee: 42.05

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
46C1	2 Cr	7:30AM-1:50PM	DAILY	07/01/19-08/30/19 03 601		Staff		HYBRID

AUTH 125 HONDA HYBRID SYSTEMS OVERVIEW

Covers the Honda hybrid systems in use today, with a focus on the Civic model. Prerequisite(s): Students must have completed an ASE/NATEF-certified automotive training program or have instructor's permission with two years of automotive experience.

Additional Fee: 42.05

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
46D1	2 Cr	7:30AM-1:50PM	DAILY	07/01/19-08/30/19 03 601		Staff		HYBRID

AUTH 130 HONDA CIVIC IMA HYBRID SYSTEM

Covers the Honda Civic Integrated Motor Assist systems in use today. Prerequisite(s): Students must have completed an ASE/NATEF-certified automotive training program or have instructor's permission with two years of automotive experience.

Additional Fee: 42.05

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
46F1	2 Cr	7:30AM-1:50PM	DAILY	07/01/19-08/30/19 03 601		Staff		HYBRID

AUTH 135 FORD ESCAPE/MERCURY MARINER HYBRID SYSTEM

Covers the Ford Escape/Mercury Mariner Hybrid systems in use today, with a focus on the Escape model. Prerequisite(s): Students must have completed an ASE/NATEF-certified automotive training program or have instructor's permission with two years of automotive experience.

Additional Fee: 42.05

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
46G1	2 Cr	7:30AM-1:50PM	DAILY	07/01/19-08/30/19 03 601		Staff		HYBRID

AUTH 140 GENERAL MOTORS AND OTHER HYBRID SYSTEMS OVERVIEW

Covers General Motors and other systems in use today, with a focus on the GM Dual Mode model system. Prerequisite(s): Students must have completed an ASE/NATEF-certified automotive training program or have instructor's permission with two years of automotive experience.

Additional Fee: 42.05

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
46H1	2 Cr	7:30AM-1:50PM	DAILY	07/01/19-08/30/19 03 601		Staff		HYBRID

AUTH 145 ADVANCED LAB & FINAL EXAM PREPARATION

Gives students a hands-on opportunity for preparation for the final exam. Prerequisite(s): Students must have completed an ASE/NATEF-certified automotive training program or have instructor's permission with two years of automotive experience.

Additional Fee: 42.05

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
46J1	2 Cr	7:30AM-1:50PM	DAILY	07/01/19-08/30/19 03 601		Staff		HYBRID

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>	<u>Delivery</u>
4401	4 Cr	7:00AM-1:00PM	DAILY	07/01/19-08/30/19	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>	<u>Delivery</u>
4411	4 Cr	7:00AM-1:00PM	DAILY	07/01/19-08/30/19	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>	<u>Delivery</u>
4471	4 Cr	7:00AM-1:00PM	DAILY	07/01/19-08/30/19	SHC117	Pharms, Marvi		

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>	<u>Delivery</u>
4441	3 Cr	7:00AM-1:00PM	DAILY	07/01/19-08/30/19	SHC117	Pharms, Marvi		

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>	<u>Delivery</u>
4451	3 Cr	7:00AM-1:00PM	DAILY	07/01/19-08/30/19	SHC117	Pharms, Marvi		

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>	<u>Delivery</u>
4421	5 Cr	7:00AM-1:00PM	DAILY	07/01/19-08/30/19	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>	<u>Delivery</u>
4431	5 Cr	7:00AM-1:00PM	DAILY	07/01/19-08/30/19	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>	<u>Delivery</u>
4461	3 Cr	7:00AM-1:00PM	DAILY	07/01/19-08/30/19	SHC117	Pharms, Marvi		

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>	<u>Delivery</u>
4481	3 Cr	7:00AM-1:00PM	DAILY	07/01/19-08/30/19	SHC117	Pharms, Marvi		

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. 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, including their 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 chambers, turbines and turbine stator vanes (nozzles). Learn the exhaust sections maintenance of turbine engines, including turbine engine removal, overhaul, inspection, and repair procedures. Learn to install turbine engines; make adjustments; troubleshoot, test, and check run procedures; and 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>	<u>Delivery</u>
4491	7 Cr	7:00AM-1:00PM	DAILY	07/01/19-08/30/19	SHC118	Joy, Earl		

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>	<u>Delivery</u>
44A1	4 Cr	7:00AM-1:00PM	DAILY	07/01/19-08/30/19	SHC118	Joy, Earl		

AMT 221 ENGINE INSTRUMENT SYSTEMS

Covers the theory and principles of operation of electrical and mechanical fluid rate -of -flow indicating systems. Covers 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>	<u>Delivery</u>
44B1	4 Cr	7:00AM-1:00PM	DAILY	07/01/19-08/30/19	SHC118	Joy, Earl		

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>	<u>Delivery</u>
44G1	4 Cr	7:00AM-1:00PM	DAILY	07/01/19-08/30/19	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>	<u>Delivery</u>
44C1	4 Cr	7:00AM-1:00PM	DAILY	07/01/19-08/30/19	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>	<u>Delivery</u>
44D1	4 Cr	7:00AM-1:00PM	DAILY	07/01/19-08/30/19	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, development, and function of exhaust systems. Students will describe, inspect, maintain, troubleshoot, and repair components of exhaust systems. Learn operation principles 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>	<u>Delivery</u>
44F1	3 Cr	7:00AM-1:00PM	DAILY	07/01/19-08/30/19	SHC120	Vick, Phillip		

AVIONICS

AVIO& 102 AIRCRAFT ELECTRONIC FUNDAMENTALS

Instructor Permission required.

Additional Fee: 89.20

<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>	<u>Delivery</u>
44K1	8 Cr	3:00PM-9:00PM	DAILY	07/01/19-08/30/19	SHC107	Cooper, Dusti	HYBRID	

AVIO& 103 AIRCRAFT WIRING SYSTEMS

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>	<u>Delivery</u>
44L1	4 Cr	3:00PM-9:00PM	DAILY	07/01/19-08/30/19	SHC107	Cooper, Dusti	HYBRID	

AVIO& 104 AIRCRAFT FIBER OPTIC SYSTEMS

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>	<u>Delivery</u>
44M1	3 Cr	3:00PM-9:00PM	DAILY	07/01/19-08/30/19	SHC107	Cooper, Dusti	HYBRID	

AVIO& 201 AIRCRAFT DIGITAL ELECTRONIC INSTRUMENT SYSTEMS

Instructor Permission required.

Additional Fee: 89.20

<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>	<u>Delivery</u>
44N1	8 Cr	3:00PM-9:00PM	DAILY	07/01/19-08/30/19	SHC107	Cooper, Dusti	HYBRID	

AVIO& 202 AVIONICS SYSTEMS FOR AIRFRAME & POWERPLANT

Instructor Permission required.

Additional Fee: 89.20

<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>	<u>Delivery</u>
44P1	8 Cr	3:00PM-9:00PM	DAILY	07/01/19-08/30/19	SHC107	Cooper, Dusti	HYBRID	

AVIO& 203 AVIONICS COMMUNICATIONS

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>	<u>Delivery</u>
44Q1	4 Cr	3:00PM-9:00PM	DAILY	07/01/19-08/30/19	SHC107	Cooper, Dusti	HYBRID	

AVIO& 204 PRINCIPLES OF AVIONICS TROUBLESHOOTING

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>	<u>Delivery</u>
44R1	4 Cr	3:00PM-9:00PM	DAILY	07/01/19-08/30/19	SHC107	Cooper, Dusti	HYBRID	

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.

Prerequisite(s): Minimum Accuplacer reading/writing combined score of 277 or equivalent or successful completion of ENG 094.

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>	<u>Delivery</u>
0505	5 Cr	ARRANGED	ARRANGED	07/01/19-08/30/19	21 235	Noffke, Wendy	HYBRID	
0506	5 Cr	10:00AM-12:00PM	WF	07/01/19-08/30/19	21 235	Noffke, Wendy	HYBRID	

BIOL& 175 HUMAN BIOLOGY W/LAB

This course is an in-depth approach to body systems, emphasizing the relationship between structure and functions. This is a laboratory course appropriate for non-science majors or for students beginning study in life sciences. Prerequisite(s): Minimum Accuplacer reading/writing combined score of 277 or equivalent or successful completion of ENG 094.

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>	<u>Delivery</u>
0507	5 Cr	ARRANGED	ARRANGED	07/01/19-08/30/19	21 235	Noffke, Wendy	HYBRID	

BIOL& 241 HUMAN ANATOMY AND PHYSIOLOGY I

Provides students with the first course of the two-quarter study of body structure and related physiology on cellular -through -system levels. Includes an in-depth study of cells, tissues, and integumentary, skeletal, muscular, nervous, and sensory systems. Prerequisite(s): Successful completion of CHEM& 110 or higher and BIOL& 160 or BIOL& 175. All prerequisite courses must be completed with a grade of 2.0 or better.

Additional Fee: 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>	<u>Delivery</u>
0508	5 Cr	ARRANGED	ARRANGED	07/01/19-08/30/19	21 231	Schwartz, Jes	HYBRID	
0548	5 Cr	3:00PM-5:00PM	MW	07/01/19-08/28/19	21 231	Schwartz, Jes	HYBRID	

BIOL& 242 HUMAN ANATOMY AND PHYSIOLOGY II

Provides students with the second course of the two-quarter study of body structure and related physiology on cellular -through -system levels. Includes an in-depth study of body organization and cardiovascular and lymphatic physiological processes. Includes immunology, respiratory, digestive, metabolic, excretory, reproductive, and endocrine systems. Prerequisite(s): Successful completion of BIOL& 241 with a grade of 2.0 or better.

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>	<u>Delivery</u>
0509	5 Cr	ARRANGED	ARRANGED	07/01/19-08/30/19	21 235	Noffke, Wendy	HYBRID	
0549	5 Cr	3:00PM-5:00PM	TTh	07/01/19-08/30/19	21 235	Schwartz, Jes	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. 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: 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>	<u>Delivery</u>
0510	5 Cr	ARRANGED	ARRANGED	07/01/19-08/30/19	21 235	Noffke, Wendy	HYBRID	

CENTRAL SERVICE/STERILE PROCESSING

MMN 126 PRINCIPLES & METHODS OF CLEANING & DISINFECTION

Includes classroom and laboratory experience in the fundamentals of cleaning and disinfection. Topics include cleaning and disinfecting chemicals, handling and transporting of patient care equipment, and general decontamination protocols for instruments and equipment. Students will gain knowledge and experience with high-level disinfection and flexible endoscopes. 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.

Additional Fee: 71.40

<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>	<u>Delivery</u>
8301	6 Cr	8:00AM-2:00PM	DAILY	07/01/19-07/22/19	21 107	Griffin, Chri	ENHANCED	

MMN 129 PRINCIPLES & PRACTICES OF STERILIZATION

Students learn techniques and practice 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 and transport are discussed. Operations, parameters, and maintenance of various sterilizers are learned, 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.

Additional Fee: 42.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
8311	6 Cr	8:00AM-2:00PM	DAILY	07/23/19-08/13/19	21 107	Griffin, Chri	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: 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>	<u>Delivery</u>
8321	3 Cr	8:00AM-2:00PM	DAILY	08/14/19-08/30/19	21 107	Griffin, Chri	ENHANCED	

CHEMISTRY

CHEM& 110 CHEMICAL CONCEPTS W/LAB

An introduction to chemistry intended for non-science majors. This course looks at how models of atoms, bonding, and the structures of materials provide an understanding of common chemical properties and reactions. Co-requisites: Students who have not completed MAT 099 or achieved an Accuplacer advanced algebra score of 233 or equivalent or higher must take MAT 099 concurrently with this course.

Additional Fee: 33.80

<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>	<u>Delivery</u>
0511	5 Cr	11:00AM-11:50AM	M	07/02/19-08/26/19	15 105	Celleri, Artu	HYBRID	
0512	5 Cr	3:30PM-5:00PM	TTh	07/02/19-08/29/19	15 105	Reed, Angela	HYBRID	

CHEM& 121 INTRODUCTION TO CHEMISTRY

CHEM& 121 INTRO TO CHEMISTRY 5CR Understanding the metric system, atomic theory, bonding, quantitative relationships, solutions, gases, acids and bases, salts, and nuclear chemistry. Prerequisite(s): Successful completion of CHEM& 110 or high school chemistry. Co-requisites: MAT 099 or higher or appropriate Accuplacer placement or equivalent concurrently with this course.

Additional Fee: 33.80

<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>	<u>Delivery</u>
0513	5 Cr	ARRANGED	ARRANGED	07/01/19-08/30/19	15 105	Keenan, Leo	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.

Additional Fee: 33.80

<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>	<u>Delivery</u>
0514	5 Cr	ARRANGED	ARRANGED	07/01/19-08/29/19	15 105	Keenan, Leo	HYBRID	

COLLEGE SUCCESS FOR ALL

COLL 102 COLLEGE SUCCESS FOR ALL

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

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
2P01	3 Cr	9:00AM-9:50AM	TWTh	07/02/19-08/30/19	17 230	Phillips, Hal	HYBRID	
2P11	3 Cr	9:00AM-9:50AM	TWTh	07/02/19-08/30/19	16 116	Mollas, Tula	HYBRID	
2P21	3 Cr	10:00AM-10:50AM	TWTh	07/02/19-08/30/19	TBD	Salave'a, Eli	HYBRID	
2P31	3 Cr	10:00AM-10:50AM	TWTh	07/02/19-08/30/19	17 230	Phillips, Hal	HYBRID	
2P41	3 Cr	11:00AM-11:50AM	TWTh	07/02/19-08/30/19	15 112	Holster, Elai	HYBRID	
2P51	3 Cr	12:00AM-12:50PM	TWTh	07/02/19-08/30/19	17 230	Crouchet, Cri	HYBRID	
2P61	3 Cr	1:00PM-1:50PM	TWTh	07/02/19-08/30/19	17 230	Phillips, Hal	HYBRID	
2P81	3 Cr	2:00PM-3:50PM	W	07/03/19-08/29/19	17 230	Phillips, Hal	HYBRID	
2P71	3 Cr	2:00PM-3:50PM	Th	07/04/19-08/30/19	17 230	Phillips, Hal	HYBRID	

COMPUTER APPLICATIONS

CAS 105 KEYBOARDING

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

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
5701	3 Cr	ARRANGED	ARRANGED	07/01/19-08/30/19	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>	<u>Delivery</u>
2001	3 Cr	9:10AM-10:05AM	MW	07/01/19-08/28/19	11 112	Bonner, Lapri	HYBRID	

CAS 121 WORD I

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

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
2002	3 Cr	ARRANGED	ARRANGED	07/01/19-08/30/19	ON LINE	Ruby, Michael	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>	<u>Delivery</u>
2003	3 Cr	ARRANGED		ARRANGED 07/01/19-08/30/19	ON LINE	Pastori, Fran	ONLINE	

CAS 145 PUBLISHER

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

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
2004	5 Cr	ARRANGED		ARRANGED 07/01/19-08/30/19	ON LINE	Carey, Jessi	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.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
2005	3 Cr	ARRANGED		ARRANGED 07/01/19-08/30/19	ON LINE	Cooke, Suzann	ONLINE	

COMPUTER PROGRAMMING

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 and MAT 094.

Additional Fee: 24.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
5401	5 Cr	9:00AM-12:00PM	TTh	07/02/19-08/29/19	11 111W	Meerdink, Ken	ENHANCED	

CPW 205 OBJECT-ORIENTED ANALYSIS & DESIGN

Explore methodologies and technologies used in analyzing, designing, and developing object-oriented software systems intended to solve real-world problems. Build on the Systems Development Life Cycle model initially presented in the CPW 101 course to model and design systems using tools such as CRC cards and the Unified Modeling Language, which includes class, use case, and sequence diagrams. Discuss the theoretical and practical aspects of object orientation. Prerequisite(s): Successful completion of CPW 245.

Additional Fee: 24.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
5421	5 Cr	1:00PM-4:00PM	MW	07/01/19-08/28/19	11 111W	Meerdink, Ken	ENHANCED	

CPW 210 ADVANCED DATABASE PROGRAMMING

Advanced database programming using a commercial relational database management system. Perform object creation, manipulation, and control using SQL. Write simple and complex queries to solve problems. Create advanced objects like stored procedures and triggers. Explore non-relational systems and business intelligence. Prerequisite(s): Successful completion of CPW 101, CPW 150.

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>	<u>Delivery</u>
5451	5 Cr	1:00PM-4:00PM	TTh	07/02/19-08/29/19	11 111E	Ortiz, Joseph	HYBRID	

CPW 212 ADVANCED .NET PROGRAMMING

Learn advanced .NET programming ' 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>	<u>Delivery</u>
5461	5 Cr	1:00PM-4:00PM	MW	07/01/19-08/28/19	11 111E	Ortiz, Joseph	HYBRID	

CPW 213 .NET WEB PROGRAMMING

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 and CPW 203. Prerequisite or Co-requisite: CPW 212.

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>	<u>Delivery</u>
5471	5 Cr	9:00AM-12:00PM	TTh	07/02/19-08/29/19	11 111E	Ortiz, Joseph	HYBRID	

CPW 215 ADV .NET WEB PROGRAMMING

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

Additional Fee: 24.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
5491	5 Cr	ARRANGED	ARRANGED	07/01/19-08/30/19	ARR	Ortiz, Joseph		

CPW 217 PORTFOLIO

Build a portfolio website showcasing skills developed in the Computer Programming and Web Development program. Create a fully functional website from start to finish. Analyze and derive requirements by creating a project proposal or by working with an actual client. Larger projects will utilize source control and emphasize team work. Prerequisite(s): Successful completion of CPW 215.

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>	<u>Delivery</u>
5481	5 Cr	10:00AM-12:00PM	F	07/05/19-08/30/19	11 111E	Ortiz, Joseph	HYBRID	

CPW 218 C++

Deals with learning programming using C++ as the primary language, with a focus on problem-solving and introduction to object-oriented concepts and terms. Prerequisite(s): Successful completion of CPW 245.

Additional Fee: 24.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
5431	5 Cr	1:00PM-4:00PM	TTh	07/02/19-08/29/19	11 111W	Meerdink, Ken	HYBRID	

CPW 223 INTRODUCTION TO JAVASCRIPT

Introduces the fundamentals of working with JavaScript. Applies variables, objects, arrays, strings, conditional statements, and external data to create dynamic, interactive web pages.

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>	<u>Delivery</u>
5441	5 Cr	9:00AM-12:00PM	MW	07/01/19-08/28/19	11 111E	Ortiz, Joseph	HYBRID	

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>	<u>Delivery</u>
5411	5 Cr	9:00AM-12:00PM	MW	07/01/19-08/28/19	11 111W	Meerdink, Ken	ENHANCED	

COMPUTER NETWORKING AND INFORMATION SYSTEMS SECURITY (CNISS)

NSS 101 IT ESSENTIALS I

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

Additional Fee: 76.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
4701	5 Cr	8:00AM-3:00PM	MWF	07/01/19-08/02/19	16 107	Morris, Cath	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: 71.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
4711	4 Cr	8:00AM-3:00PM	MWF	08/05/19-08/30/19	16 107	Morris, Cath	ENHANCED	

NSS 109 CISCO NETWORKING I

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

Additional Fee: 76.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
4721	5 Cr	12:00PM-3:00PM	TTh	07/02/19-08/29/19	16 209	Souza, Donal	ENHANCED	

NSS 120 MS DESKTOP SUPPORT I

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

Additional Fee: 76.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
4731	5 Cr	8:00AM-3:00PM	MWF	07/01/19-08/02/19	16 207	Lanphier, Jay	ENHANCED	

NSS 125 MS DESKTOP SUPPORT II

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

Additional Fee: 71.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
4741	4 Cr	8:00AM-3:00PM	MWF	08/05/19-08/30/19	16 207	Lanphier, Jay	ENHANCED	

NSS 127 SCRIPTING FOR NETWORK ADMINS

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

Additional Fee: 71.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
4751	4 Cr	12:00PM-2:00PM	TTh	07/02/19-08/29/19	16 107	Morris, Cath	ENHANCED	

NSS 135 IMPLEMENTING SYSTEM SECURITY

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

Additional Fee: 71.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
4761	4 Cr	12:00PM-3:00PM	TTh	07/02/19-08/29/19	16 111	Hollowell, Ke	ENHANCED	

NSS 139 SERVER OS INSTALLATION AND CONFIGURATION

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

Additional Fee: 71.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
4771	4 Cr	8:00AM-11:00AM	TTh	07/02/19-08/29/19	16 109	Souza, Donal	ENHANCED	

NSS 141 DIGITAL FORENSICS

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: 76.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
4781	5 Cr	8:00AM-11:00AM	TTh	07/02/19-08/29/19	16 207	Lanphier, Jay	ENHANCED	

NSS 145 SERVER SECURITY

Additional Fee: 71.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
4791	4 Cr	12:00PM-3:00PM	TTh	07/02/19-08/29/19	16 207	Lanphier, Jay	ENHANCED	

NSS 156 CYBER SECURITY FUNDAMENTALS

This course introduces students to the evolving field of cybersecurity. Students will learn about common cyber-attacks and the techniques used to identify, detect, and defend against cybersecurity threats. They will also gain a basic understanding of personal, physical, network, Internet, and enterprise security. This course also provides a foundation for more advanced study of cybersecurity.

Additional Fee: 71.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
47A1	4 Cr	8:00AM-11:00AM	TTh	07/02/19-08/29/19	16 107	Morris, Cath	ENHANCED	

NSS 160 INTRODUCTION TO LINUX

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

Additional Fee: 76.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
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47B1 5 Cr 12:00PM-3:00PM MWF 07/01/19-08/30/19 16 111 Hollowell, Ke ENHANCED

NSS 161 ADMINISTERING WINDOWS SERVER OS

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

Additional Fee: 71.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
47C1	4 Cr	8:00AM-11:00AM	MWF	07/01/19-08/30/19	16 109	Souza, Donal	ENHANCED	

NSS 164 VIRTUALIZATION AND CLOUD TECHNOLOGIES

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

Additional Fee: 71.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
47D1	4 Cr	8:00AM-10:30AM	TTh	07/02/19-08/29/19	16 111	Hollowell, Ke	ENHANCED	

NSS 180 INTERNSHIP I

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

Additional Fee: 61.80

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
47F1	2 Cr	ARRANGED	ARRANGED	07/01/19-08/30/19	16 112	Randall Jody	ENHANCED	

NSS 201 ADVANCED LINUX

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

Additional Fee: 76.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
47G1	5 Cr	8:00AM-11:00AM	MWF	07/01/19-08/30/19	16 111	Hollowell, Ke	ENHANCED	

NSS 206 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: 76.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
47H1	5 Cr	12:00PM-3:00PM	MWF	07/01/19-08/30/19	16 109	Souza, Donal	ENHANCED	

NSS 250 INTERNSHIP II

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

Additional Fee: 61.80

47W1 5 Cr 12:00PM-3:00PM MTWTh 08/01/19-08/29/19 16 112 Randall Jody

NSSC 201 CISCO NETWORKING II

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

Additional Fee: 76.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
47N1	5 Cr	8:00AM-11:00AM	MWF	07/17/19-08/02/19	16 209	Turner, Jeffr	ENHANCED	

NSSC 203 CISCO NETWORKING III

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

Additional Fee: 76.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
47P1	5 Cr	8:00AM-11:00AM	MWF	08/05/19-08/30/19	16 209	Turner, Jeffr	ENHANCED	

NSSC 205 CISCO NETWORKING IV

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

Additional Fee: 76.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
47R1	5 Cr	8:00AM-11:00AM	TThF	07/02/19-08/02/19	16 209	Turner, Jeffr	ENHANCED	

NSSC 207 CISCO LEARNING LAB I

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

Additional Fee: 66.70

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
47Q1	3 Cr	12:00PM-3:00PM	MWF	07/01/19-08/30/19	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: 76.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
47S1	5 Cr	8:00AM-11:00AM	TThF	08/06/19-08/30/19	16 209	Turner, Jeffr	ENHANCED	

NSSC 210 CISCO LEARNING LAB II

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

Additional Fee: 66.70

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
47T1	3 Cr	12:00PM-3:00PM	TThF	07/02/19-08/30/19	16 209	Turner, Jeffr		

CONSTRUCTION

CONST 112 FOOTINGS & FOUNDATIONS

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

Additional Fee: 32.25

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
2201	3 Cr	8:00AM-2:30PM	DAILY	07/01/19-08/30/19	05 100	Saucedo, Chis		

CONST 116 FLOOR FRAMING

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

Additional Fee: 32.25

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
2211	3 Cr	8:00AM-2:30PM	DAILY	07/01/19-08/30/19	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. ""

Additional Fee: 32.25

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
2221	5 Cr	8:00AM-2:30PM	DAILY	07/01/19-08/30/19	05 100	Saucedo, Chis		

CONST 122 ROOF FRAMING

Introduction to roof framing and the use of a framing square, including both truss roof and stick- built residential roofs. "" Introduction to various roofing materials, including proper installation techniques.

Additional Fee: 32.25

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
2231	5 Cr	8:00AM-2:30PM	DAILY	07/01/19-08/30/19	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: 32.25

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
2251	3 Cr	8:00AM-2:30PM	DAILY	07/01/19-08/30/19	05 100	Quinlan, Jame		

CONST 144 ELECTRICAL & PLUMBING BASICS

Additional Fee: 32.25

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
2241	4 Cr	8:00AM-2:30PM	DAILY	07/01/19-08/30/19	05 100	Saucedo, Chis		

CONST 152 LEED

Additional Fee: 32.25

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
2281	2 Cr	8:00AM-2:30PM	DAILY	07/01/19-08/30/19	05 100	Quinlan, Jame		

CONST 155 DECKING

Additional Fee: 32.25

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
2291	2 Cr	8:00AM-2:30PM	DAILY	07/01/19-08/30/19	05 100	Quinlan, Jame		

CONST 158 ENERGY AUDITOR

Additional Fee: 32.25

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
22A1	5 Cr	8:00AM-2:30PM	DAILY	07/01/19-08/30/19	05 100	Quinlan, Jame		

CONST 160 HOME INSPECTOR

Additional Fee: 32.25

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
22B1	4 Cr	8:00AM-2:30PM	DAILY	07/01/19-08/30/19	05 100	Quinlan, Jame		

CONSTRUCTION - SUSTAINABLE BUILDING SCIENCE

SBS 121 SURVEY OF ENERGY RATINGS

Additional Fee: 32.25

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
2271	3 Cr	8:00AM-2:30PM	DAILY	07/01/19-08/30/19	05 100	Saucedo, Chis		

SBS 130 ALTERNATIVE ENERGY SYSTEMS

Additional Fee: 32.25

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
2261	5 Cr	8:00AM-2:30PM	DAILY	07/01/19-08/30/19	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>	<u>Delivery</u>
3001	5 Cr	8:00AM-9:15AM	DAILY	07/01/19-08/30/19	21 109	Freyre, Marie		
3011	5 Cr	ARRANGED	ARRANGED	07/01/19-08/30/19	ON LINE	Freyre, Marie	ONLINE	
3021	5 Cr	ARRANGED	ARRANGED	07/01/19-08/30/19	ON LINE	Scott, Patric	ONLINE	
3031	5 Cr	ARRANGED	ARRANGED	07/01/19-08/30/19	ON LINE	Freyre, Marie	ONLINE	

CAH 105 COMPUTER APPLICATIONS

Introduction course to the use of Microsoft office and related online programs. Students will become familiar with online tools and learn team based projects while developing a proficiency in the use of technology. 'This course is recommended for students with previous computer knowledge and ability.'

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>	<u>Delivery</u>
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3041	5 Cr	10:00AM-10:50AM	MWTh	07/01/19-08/30/19	21 106	Mandley, L	HYBRID
3051	5 Cr	11:00AM-11:50AM	MWTh	07/01/19-08/30/19	21 106	Mandley, L	HYBRID
3061	5 Cr	ARRANGED	ARRANGED	07/01/19-08/30/19	ON LINE	Mandley, L	ONLINE
3071	5 Cr	2:30PM-6:00PM	MW	07/01/19-08/30/19	21 106	Mandley, L	HYBRID

COSMETOLOGY

COSMO 112 INFECTION CONTROL PRINCIPLES AND PRACTICES

Acquire knowledge for successful and responsible infection control, first aid, and safety. Learn and apply concepts of microbiology for safe handling of tools, proper dispensing of chemicals, and prevention of the spread of bacteria in a school or salon as required by state board regulations. Obtain Barbicide certification. Pre-req: 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>	<u>Delivery</u>
5301	2 Cr	7:30AM-3:00PM	TWThF	07/02/19-07/05/19	08 207	Codrington, E	HYBRID	

COSMO 117 TRICHOLOGY

Additional Fee: 88.65

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
5311	4 Cr	7:30AM-3:00PM	TWThF	07/09/19-07/22/19	08 207	Codrington, E		

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>	<u>Delivery</u>
5201	9 Cr	8:30AM-4:00PM	MTWTh	07/01/19-08/30/19	WCC128	Frink, Barb		

COSMO 137 APPLICATIONS OF HAIRCUTTING AND THERMAL STYLING

Additional Fee: 88.65

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
5321	13 Cr	7:30AM-3:00PM	TWThF	07/23/19-08/30/19	08 207	Codrington, E		

COSMO 142 ADVANCED APPLICATIONS OF HAIRCUTTING & HAIRSTYLING

This course presents techniques and procedures for fundamental clipper cutting, which build on the theory and previous experiences of haircutting and enables students to be current in haircutting trends. Wet Styling introduces finger waving, pin curling, and roller placements, along with long hair designs. Infection control principles and practices are reinforced. Prerequisite(s): Successful completion of COSMO 136.

Additional Fee: 88.65

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
5341	4 Cr	7:30AM-3:00PM	TWThF	07/02/19-07/12/19	08 208	Chiaro, Loree	HYBRID	

COSMO 146 CHEMICAL TEXTURE SERVICE

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

Additional Fee: 88.65

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
53A1	5 Cr	7:30AM-3:00PM	TWThF	07/09/19-07/31/19	08 205	Deleon, Carin	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>	<u>Delivery</u>
5211	6 Cr	8:30AM-4:00PM	MTWTh	07/01/19-08/30/19	WCC128	Frink, Barb		

COSMO 158 GENERAL SCIENCE OF HAIR COLORING

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

Additional Fee: 88.65

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
5351	7 Cr	7:30AM-3:00PM	TWThF	07/16/19-08/09/19	08 208	Chiaro, Loree	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>	<u>Delivery</u>
5221	6 Cr	8:30AM-4:00PM	MTWTh	07/01/19-08/30/19	WCC128	Frink, Barb		

COSMO 163 LAB CLINIC II

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

Additional Fee: 58.10

<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>	<u>Delivery</u>
5371	9 Cr	7:30AM-3:00PM	TWThF	08/07/19-08/30/19	08 CL#1	Maguire, Patr		

COSMO 164 LAB CLINIC I

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

Additional Fee: 102.65

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
5361	8 Cr	7:30AM-3:00PM	TWThF	08/13/19-08/30/19	08 CL#3	Chiaro, Loree		

COSMO 172 LAB CLINIC III

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

Additional Fee: 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>	<u>Delivery</u>
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COSMO 175 COSMETOLOGY SALON BUSINESS PRACTICES

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

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
53C1	3 Cr	7:30AM-3:00PM	TWThF	07/02/19-07/05/19	08 205	Deleon, Carin	HYBRID	

COSMO 181 ARTIFICIAL HAIR

An informative overview of artificial hair principles. Prerequisite(s): Successful completion of COSMO 172 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>	<u>Delivery</u>
5381	2 Cr	7:30AM-3:00PM	TWThF	07/05/19-07/07/19	08 108	Maguire, Patr	HYBRID	

COSMO 226 ADVANCED HAIR COLORING

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

Additional Fee: 88.65

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
5391	8 Cr	7:30AM-3:00PM	TWThF	07/11/19-08/04/19	08 108	Maguire, Patr	HYBRID	

COSMO 229 STATE BOARD PRACTICAL PREPARATION

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

Additional Fee: 88.65

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
53D1	4 Cr	7:30AM-3:00PM	TWThF	07/02/19-07/16/19	08 CL#4	Frederick, Sa	HYBRID	

COSMO 231 LAB CLINIC IV

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

Additional Fee: 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>	<u>Delivery</u>
53F1	10 Cr	7:30AM-3:00PM	WThF	07/24/19-08/21/19	08 CL#4	Frederick, Sa		

COSMO 236 STATE BOARD WRITTEN TEST REVIEW

Prepares students for Washington State Cosmetology or Hair Designer Written Board Examinations. Prerequisite(s): Successful completion of COSMO 172 or instructor approval.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
53G1	3 Cr	7:30AM-3:00PM	T	07/16/19-07/23/19	08 205	Frederick, Sa	HYBRID	

COSMO 244 COSMETOLOGY CAPSTONE

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

completion of COSMO 112, COSMO 116, COSMO 123, COSMO 136, COSMO 142, COSMO 146, COSMO 158, COSMO 163, COSMO 164, COSMO 172, COSMO 175, COSMO 181, and COSMO 226, or instructor approval.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
53H1	3 Cr	7:30AM-3:00PM	TWThF	08/22/19-08/30/19	08 CL#4	Frederick, Sa		HYBRID

COSMO 248 INDUSTRY INTERNSHIP I

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

Prerequisite: Successful completion of 'COSMO 230. "

Additional Fee: 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>	<u>Delivery</u>
53M1	1 Cr	ARRANGED	ARRANGED	07/01/19-08/30/19	ARR	Frederick, Sa		

COSMO 250 INDUSTRY INTERNSHIP II

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

Prerequisite: Successful completion of COSMO 230.

Additional Fee: 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>	<u>Delivery</u>
53N1	2 Cr	ARRANGED	ARRANGED	07/01/19-08/30/19	ARR	Frederick, Sa		

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. ""

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
5231	3 Cr	9:00AM-3:00PM	MTWTh	07/01/19-08/30/19	WCC128	Frink, Barb		
53R1	3 Cr	ARRANGED	ARRANGED	07/01/19-08/30/19	ARR	Frederick, Sa		

COSMO 254 INDUSTRY INTERNSHIP IV

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

Prerequisite: Successful completion of COSMO 230.

Additional Fee: 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>	<u>Delivery</u>
53S1	4 Cr	ARRANGED	ARRANGED	07/01/19-08/30/19	ARR	Frederick, Sa		

COSMO 256 INDUSTRY INTERNSHIP V

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

Prerequisite: Successful completion of COSMO 230.

Additional Fee: 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>	<u>Delivery</u>
53T1	5 Cr	ARRANGED	ARRANGED	07/01/19-08/30/19	ARR	Frederick, Sa		

CULINARY ARTS

CUL 104 SANITATION IN FOOD SERVICE OPERATIONS

Presents the principles of food microbiology, food borne illness and the standards that are enforced by regulatory

agencies. Applied measures for the prevention of food borne illness and other microbiological factors are incorporated. National Restaurant Association ServSafe Certification.

Instructor Permission required.

Additional Fee: 132.90

<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>	<u>Delivery</u>
3561	3 Cr	10:00AM-1:00PM	WF	07/03/19-08/30/19	23 313	Newman, Shell		

CUL 109 COOKING METHODS I

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

Instructor Permission required.

Additional Fee: 147.85

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
3201	7 Cr	9:00AM-1:45PM	WThF	07/03/19-08/30/19	31 100	Massey, Richa		

CUL 123 COOKING METHODS II

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

Instructor Permission required.

Additional Fee: 147.85

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
3211	7 Cr	9:00AM-1:45PM	WThF	07/03/19-08/30/19	31 100	Massey, Richa		

CUL 127 PROFESSIONAL COOKING III

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

Instructor Permission required.

Additional Fee: 182.15

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
3221	7 Cr	7:00AM-9:00AM	DAILY	07/01/19-08/30/19	31 100	Massey, Richa	ENHANCED	

CUL 132 AMERICAN REGIONAL CUISINE

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

Instructor Permission required.

Additional Fee: 162.55

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
3231	3 Cr	9:00AM-2:00PM	MT	08/05/19-08/28/19	31 100	Massey, Richa	ENHANCED	

CUL 135 FOOD PREPARATION III

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

Instructor Permission required.

Additional Fee: 162.55

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
3241	3 Cr	9:00AM-2:00PM	MT	07/01/19-07/30/19	31 100	Massey, Richa	ENHANCED	

CUL 139 COOKING METHODS III

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

Instructor Permission required.

Additional Fee: 147.85

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
3251	7 Cr	9:00AM-1:45PM	WThF	07/03/19-08/03/19	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. Students 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.

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>	<u>Delivery</u>
7701	5 Cr	12:00PM-1:00PM	TTh	07/01/19-08/27/19	21 109	Precour, Hann	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.

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>	<u>Delivery</u>
7711	6 Cr	1:00PM-2:00PM	M	07/01/19-08/22/19	21 109	Precour, Hann	HYBRID	

DAS 130 DENTAL SPECIALITIES I

Explores in depth the dental specialties of endodontics, orthodontics, and periodontics. This course introduces 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.

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>	<u>Delivery</u>
7721	3 Cr	1:00PM-2:00PM	W	07/10/19-08/28/19	21 109	Precour, Hann	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.

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>	<u>Delivery</u>
7731	5 Cr	12:00PM-1:00PM	MW	07/05/19-08/29/19	21 109	Precour, Hann	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>	<u>Delivery</u>
7741	1 Cr	ARRANGED	ARRANGED	07/02/19-08/19/19	ON LINE	Precour, Hann	ONLINE	

DAS 228 CERTIFICATION REVIEW II

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

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
77B1	1 Cr	ARRANGED	ARRANGED	07/01/19-08/30/19	ON LINE	Wirth, R	ONLINE	

DAS 237 CLINICAL EXPERIENCE I

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

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
77C1	1 Cr	ARRANGED	ARRANGED	07/01/19-08/30/19	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>	<u>Delivery</u>
7751	10 Cr	ARRANGED	ARRANGED	07/01/19-08/30/19	ON LINE	Wirth, R	ONLINE	

DAS 243 CERTIFICATION REVIEW III

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

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>	<u>Delivery</u>
7761	1 Cr	ARRANGED	ARRANGED	07/01/19-08/30/19	ON LINE	Wirth, R	ONLINE	

DBOA 103 DENTAL TERMINOLOGY & PROCEDURES

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

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
7771	4 Cr	ARRANGED	ARRANGED	07/01/19-08/30/19	ON LINE	Wirth, R	ONLINE	

DBOA 111 DENTAL CHARTING, SCHEDULING & RECALL MANAGEMENT

Explores dental charting symbols and treatment descriptions. Students will develop, decipher, and present a comprehensive treatment plan. Covers the necessary information to accurately develop a patient recall system and

maintain productive and effective patient scheduling. Students will have training and 24-hour access to the Dentrix Dental Software to learn and practice dental charting, scheduling, and recall procedures. Prerequisite(s): DBOA 103 (or co-requisite).

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
7781	5 Cr	ARRANGED	ARRANGED	07/01/19-08/30/19	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>	<u>Delivery</u>
7791	4 Cr	ARRANGED	ARRANGED	07/01/19-08/30/19	ON LINE	Wirth, R	ONLINE	

DBOA 135 DENTRIX ADVANCED TRAINING

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

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
77A1	2 Cr	ARRANGED	ARRANGED	07/01/19-08/30/19	ON LINE	Wirth, R	ONLINE	

DIGITAL ENTERTAINMENT DESIGN AND PRODUCTION

DED 110 DIGITAL PHOTOGRAPHY I

This introductory-level course familiarizes students with the basics of cameras, the new features of today's DSLRs, and the basic elements of taking a good photograph. Students will explore the work of great artists of the medium, learn the elements of composition, and begin working with light and shadow to create visually interesting images.

Additional Fee: 44.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
9001	4 Cr	1:00PM-6:00PM	M	07/08/19-08/26/19	11 107	Felch, Chris	ENHANCED	

DED 112 DIGITAL ART II

Focuses on Adobe Illustrator and learning to use the advanced tools within this professional vector editing software. Students will learn how to create high-quality illustrations, logos, graphs, diagrams, adverts, web sites, and web or print layouts for clients, while increasing their productivity and incorporating best practice into their workflow. Prerequisite(s): Successful completion of DED 106.

Additional Fee: 44.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
9011	4 Cr	1:00PM-6:00PM	T	07/02/19-08/27/19	11 107	Geary, Shawn	ENHANCED	

DED 130 STORYBOARDING

Teaches students how to break down a script into shots and create a visual storyboard that shows actor and camera movements while showing the type of camera angle and shot. Prerequisite(s): Successful completion of DED 104.

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>	<u>Delivery</u>
9031	3 Cr	1:00PM-5:00PM	W	07/03/19-08/28/19	11 142	Geary, Shawn	ENHANCED	

DED 135 MOTION GRAPHICS I

Uses 2D and 3D compositing, animation, and visual effects tools to allow students to create innovative graphics and visual effects for film, video, broadcast, DVD, and the web. Using Adobe After Effects, students will learn the concepts of video, time-based animation, and special effects. They will explore program features that include key framing, editing, masking, type, 3D environment, and tools. Importing media from a wide variety of applications, including Adobe Photoshop and QuickTime files will also be covered.

Additional Fee: 44.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
9021	4 Cr	1:00PM-6:00PM	Th	07/11/19-08/29/19	11 107	Felch, Chris	ENHANCED	

DED 140 DIGITAL VIDEO II

Continues students' education from Digital Video I by extending their knowledge to more hands-on lessons of film production. This includes, but is not limited to, creating master shots and the use of common shot types.

Prerequisite(s): Successful completion of DED 125.

Additional Fee: 44.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
9041	4 Cr	1:00PM-6:00PM	M	07/08/19-08/26/19	11 142	Geary, Shawn	ENHANCED	

DED 147 ADVANCED DESIGN THEORY

Exploring the high-level decisions made in the creation of various forms of digital entertainment. Introduces the concepts and practices associated with how written word is translated into visual language. Students will explore how their chosen mediums reflect the world we live in and vice versa. During this course students will have the opportunity to learn the art and theory behind films and games, including how various design decisions are used to affect the audience.

Additional Fee: 44.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
90B1	4 Cr	10:30AM-1:00PM	MT	07/08/19-08/27/19	11 107	Felch, Chris	ENHANCED	

DED 152 MOTION GRAPHICS II

Motion Graphics II will build on from the previous course, Motion Graphics I, working on more advance features in Adobe After Effects. Students will be going more in-depth with the features such as particles, photo replacements, and integrating 3D models into scenes to create digital effects for scenes.

Additional Fee: 44.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
9051	4 Cr	1:00PM-6:00PM	T	07/02/19-08/27/19	11 106	Felch, Chris	ENHANCED	

DED 154 GAME DESIGN I

Introduces the fundamentals of game design and development with a focus on rapid prototyping through pen and paper design. This course will also build a foundational knowledge of genre and basic elements of games and their interaction with each other.

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>	<u>Delivery</u>
9061	3 Cr	1:00PM-5:00PM	F	07/05/19-08/30/19	11 142	Felch, Chris	ENHANCED	

DED 158 3D MODELING II

Students will be taking their education in the 3D world another step further by learning to create textures for their 3D Models. If it's for an abstract style or going with the gritty detailed look. This class will discuss the importance of file size and formats for a variety of purposes they go into creating detailed textures. We will be creating a variety of texture maps like UV Mapping, diffused, opacity, bump, normal, specular, and reflection maps to really bring our models to life.

Additional Fee: 44.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
9071	4 Cr	1:00PM-6:00PM	W	07/03/19-08/28/19	11 107	Felch, Chris	ENHANCED	

DED 159 CAPSTONE/INTERNSHIP

This course consists of either a major project representing the culmination of the student's learning in the program OR a full or part time position as an intern in either the public or private sector. The project must be approved by the instructor, show the breadth of skill acquired in the program, and requires the student to use the entire production cycle, including their preproduction paperwork. The students will also be required to keep an online journal of their project and report in at least once a week with updates on their progress. The internship a temporary position, where the student gains confidence and experience in a chosen area of employment. Students experience on-the-job opportunities as well as making 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.

Additional Fee: 44.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
9091	4 Cr	10:30AM-1:00PM	F	07/05/19-08/30/19	11 107	Geary, Shawn	HYBRID	

DED 172 SCENE DESIGN

Scene Design covers the use of lighting, design, and symbolism to create environments that enhance the story while providing optimum shooting potential.

Additional Fee: 44.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
9081	4 Cr	1:00PM-6:00PM	Th	07/11/19-08/29/19	11 107	Geary, Shawn	ENHANCED	

DED 175 DEVELOPMENT PROJECT

An instructor led major project involving the full class. Each student will be given a role to fulfill in the project just as in a professional Film or Game production studio. Pre-requisite(s): Successful completion of DED 200, DED 112, DED 150.

Additional Fee: 44.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
90A1	4 Cr	10:30AM-1:00PM	WTh	07/03/19-08/29/19	11 107	Felch, Chris	ENHANCED	

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.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
41ZZ	2 Cr	ARRANGED	ARRANGED	07/01/19-08/30/19		Edmondson, Re		

ECE 126 NATURE AND THE OUTDOOR CLASSROOM

Gain skills and knowledge on the components of an outdoor classroom. Includes ways to incorporate creativity while supporting children as they explore nature in the environment, as well as sustainable practices for young children.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
41J1	2 Cr	5:30PM-8:30PM	Th	07/11/19-08/22/19	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.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
41K1	2 Cr	5:00PM-6:00PM	M	07/01/19-08/26/19	10 111	Colombini, Li		

ECE 190 PRACTICUM 4: GREEN

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

Additional Fee: 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>	<u>Delivery</u>
4171	3 Cr	5:00PM-6:00PM	M	07/01/19-08/26/19	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: 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>	<u>Delivery</u>
4181	3 Cr	5:00PM-6:00PM	M	07/01/19-08/26/19	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: 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>	<u>Delivery</u>
4191	3 Cr	5:00PM-6:00PM	M	07/01/19-08/26/19	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: 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>	<u>Delivery</u>
41A1	3 Cr	5:00PM-6:00PM	M	07/01/19-08/26/19	10 111	Colombini, Li		
41AC	3 Cr	ARRANGED	ARRANGED	07/01/19-08/30/19		Chase-Deitri		

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.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
4101	3 Cr	ARRANGED	ARRANGED	07/01/19-08/26/19	ON LINE	Felch, Linda	ONLINE	
410Z	3 Cr	ARRANGED	ARRANGED	07/01/19-08/30/19	ON LINE	Felch, Linda	ONLINE	
418Z	3 Cr	ARRANGED	ARRANGED	07/01/19-08/30/19		Chase-Deitri		

ECED& 120 PRACTICUM: NURTURING RELATIONSHIPS

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

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
41AG	2 Cr	ARRANGED	ARRANGED	07/01/19-08/30/19		Chase-Deitri	ENHANCED	
41L1	2 Cr	5:00PM-6:00PM	M	07/01/19-08/26/19	10 111	Colombini, Li		

ECED& 160 CURRICULUM DEVELOPMENT

Investigate learning theory, program planning, and tools for curriculum development promoting language; fine/gross motor, social-emotional, cognitive and creative skills; and growth in young children.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
4161	5 Cr	ARRANGED	ARRANGED	07/01/19-08/30/19	ON LINE	Havens, Amber	ONLINE	

ECS 100D SPECIAL TOPICS - SPRING

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
1312	Var	ARRANGED	ARRANGED	04/01/19-06/18/19	OFFCAMP	Holland-Oher		
1301	Var	ARRANGED	ARRANGED	07/01/19-08/30/19	OFFCAMP	Holland-Oher		
1302	Var	ARRANGED	ARRANGED	07/01/19-08/30/19	OFFCAMP	Chase-Deitri		
1303	Var	ARRANGED	ARRANGED	07/01/19-08/30/19	OFFCAMP	Holland-Oher		
1304	Var	ARRANGED	ARRANGED	07/01/19-08/30/19	OFFCAMP	Chase-Deitri		
1305	Var	ARRANGED	ARRANGED	07/01/19-08/30/19	OFFCAMP	Colombini, Li		
1306	Var	ARRANGED	ARRANGED	07/01/19-08/30/19	OFFCAMP	Holland-Oher		
1307	Var	ARRANGED	ARRANGED	07/01/19-08/30/19	OFFCAMP	Colombini, Li		
1309	Var	ARRANGED	ARRANGED	07/01/19-08/30/19	OFFCAMP	Felch, Linda		
1310	Var	ARRANGED	ARRANGED	07/01/19-08/30/19	OFFCAMP	Felch, Linda		
1311	Var	ARRANGED	ARRANGED	07/01/19-08/30/19	OFFCAMP	Felch, Linda		
1313	Var	ARRANGED	ARRANGED	07/01/19-08/30/19	OFFCAMP	Edmondson, Re		
1315	Var	ARRANGED	ARRANGED	07/01/19-08/30/19	OFFCAMP	Holland-Oher		
1316	Var	ARRANGED	ARRANGED	07/01/19-08/30/19	OFFCAMP	Felch, Linda		
1317	Var	ARRANGED	ARRANGED	07/01/19-08/30/19	OFFCAMP	Chase-Deitri		
1319	Var	ARRANGED	ARRANGED	07/01/19-08/30/19	OFFCAMP	Felch, Linda		
1322	Var	ARRANGED	ARRANGED	07/01/19-08/30/19	OFFCAMP	Colombini, Li		
1323	Var	ARRANGED	ARRANGED	07/01/19-08/30/19	OFFCAMP	Edmondson, Re		
1328	Var	ARRANGED	ARRANGED	07/01/19-08/30/19	OFFCAMP	Colombini, Li		
1330	Var	ARRANGED	ARRANGED	07/01/19-08/30/19	OFFCAMP	Holland-Oher		
1332	Var	ARRANGED	ARRANGED	07/01/19-08/30/19	OFFCAMP	Felch, Linda		
1333	Var	ARRANGED	ARRANGED	07/01/19-08/30/19	OFFCAMP	Holland-Oher		
1334	Var	ARRANGED	ARRANGED	07/01/19-08/30/19	OFFCAMP	Edmondson, Re		
1340	Var	ARRANGED	ARRANGED	07/01/19-08/30/19	OFFCAMP	Holland-Oher		
1341	Var	ARRANGED	ARRANGED	07/01/19-08/30/19	OFFCAMP	Chase-Deitri		
1342	Var	ARRANGED	ARRANGED	07/01/19-08/30/19	OFFCAMP	Holland-Oher		
1346	Var	ARRANGED	ARRANGED	07/01/19-08/30/19	OFFCAMP	Holland-Oher		
1355	Var	ARRANGED	ARRANGED	07/01/19-08/30/19	OFFCAMP	Edmondson, Re		
1356	Var	ARRANGED	ARRANGED	07/01/19-08/30/19	OFFCAMP	Holland-Oher		
1360	Var	ARRANGED	ARRANGED	07/01/19-08/30/19	OFFCAMP	Edmondson, Re		
1362	Var	ARRANGED	ARRANGED	07/01/19-08/30/19	OFFCAMP	Holland-Oher		
1366	Var	ARRANGED	ARRANGED	07/01/19-08/30/19	OFFCAMP	Chase-Deitri		
1369	Var	ARRANGED	ARRANGED	07/01/19-08/30/19	OFFCAMP	Chase-Deitri		
1375	Var	ARRANGED	ARRANGED	07/01/19-08/30/19	OFFCAMP	Felch, Linda		
1377	Var	ARRANGED	ARRANGED	07/01/19-08/30/19	OFFCAMP	Felch, Linda		
1382	Var	ARRANGED	ARRANGED	07/01/19-08/30/19	OFFCAMP	Chase-Deitri		
1383	Var	ARRANGED	ARRANGED	07/01/19-08/30/19	OFFCAMP	Colombini, Li		
1384	Var	ARRANGED	ARRANGED	07/01/19-08/30/19	OFFCAMP	Edmondson, Re		
1388	Var	ARRANGED	ARRANGED	07/01/19-08/30/19	OFFCAMP	Edmondson, Re		
1389	Var	ARRANGED	ARRANGED	07/01/19-08/30/19	OFFCAMP	Edmondson, Re		
1390	Var	ARRANGED	ARRANGED	07/01/19-08/30/19	OFFCAMP	Edmondson, Re		
1393	Var	ARRANGED	ARRANGED	07/01/19-08/30/19	OFFCAMP	Edmondson, Re		
1394	Var	ARRANGED	ARRANGED	07/01/19-08/30/19	OFFCAMP	Edmondson, Re		
1398	Var	ARRANGED	ARRANGED	07/01/19-08/30/19	OFFCAMP	Felch, Linda		
1391	Var	ARRANGED	ARRANGED	08/08/19-08/30/19	OFFCAMP	Holland-Oher		

ECS 121 INTRODUCTION TO EARLY CHILDHOOD PROFESSION

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
41UZ	2 Cr	ARRANGED	ARRANGED	07/01/19-08/30/19		Holland-Oher		

ECS 122 WAYS TP STUDY HOW CHILDREN GROW/LEARN

Ethics and workplace skills will be examined. Washington State Minimum Licensing Requirements for Child Care Centers and Family Child Care Homes will be covered.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
41VZ	2 Cr	ARRANGED	ARRANGED	07/01/19-08/30/19		Holland-Oher		

ECS 123 SELF, SOCIAL AND POSITIVE GUIDANCE

Examines theory and field practices to support social and emotional development of young children and provide positive guidance. Ethics and workplace skills will be examined. Washington State Minimum Licensing Requirements for Child Care Centers and Family Child Care Homes will be covered.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
41WZ	2 Cr	ARRANGED	ARRANGED	07/01/19-08/30/19		Holland-Oher		

ECS 124 PRODUCTIVE RELATIONSHIPS WITH FAMILIES

Examines theory and field practices to establish positive and productive relationships with families. Ethics and workplace skills will be examined. Washington State Minimum Licensing Requirements for Child Care Centers and Family Child Care Homes will be covered.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
41AB	2 Cr	ARRANGED	ARRANGED	07/01/19-08/30/19		Holland-Oher		

ECS 125 PROGRAM MANAGEMENT

Examines theory and field practices to ensure a well-run, purposeful program that is responsive to participant needs. Ethics and workplace skills will be examined. Washington State Minimum Licensing Requirements for Child Care Centers and Family Child Care Homes will be covered.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
41BZ	2 Cr	ARRANGED	ARRANGED	07/01/19-08/30/19		Holland-Oher		

ECS 126 PROFESSIONALISM

Examines theory and field practices necessary to maintain knowledge of and commitment to professionalism in the early learning field. Ethics and workplace skills will be examined. Washington State Minimum Licensing Requirements for Child Care Centers and Family Child Care Homes will be covered.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
41CZ	2 Cr	ARRANGED	ARRANGED	07/01/19-08/30/19		Holland-Oher		

ECS 127 CDA CAPSTONE

Reviews the six CDA competency areas and prepares students for the CDA application and testing process.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
41LZ	2 Cr	ARRANGED	ARRANGED	07/01/19-08/30/19		Edmondson, Re		

ECS 151 ECE CURRICULUM: MATH, SCIENCE 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>	<u>Delivery</u>
4131	3 Cr	6:00PM-9:30PM	T	07/02/19-08/27/19	10 111	Colombini, Li		

ECS 160 ECE CURRICULUM: MUSIC, MOVEMENT & CREATIVITY

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
4111	5 Cr	6:00PM-10:00PM	W	07/03/19-08/28/19	14 208	Colombini, Li	HYBRID	

ECS 181 EARLY CARE AND EDUCATION PRACTICUM I

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

Additional Fee: 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>	<u>Delivery</u>
4121	5 Cr	4:00PM-5:00PM	M	07/01/19-08/26/19	10 111	Colombini, Li		
41GZ	5 Cr	ARRANGED	ARRANGED	07/01/19-08/30/19		Edmondson, Re		

ECS 182 ECE PRACTICUM II

Provides the student with practical field experience. Students will work at community Child Care Centers or the campus Child Development Center allowing them to apply classroom study to the on-the-job situations. Includes a scheduled seminar. Text 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>	<u>Delivery</u>
412Z	5 Cr	ARRANGED	ARRANGED	07/01/19-08/30/19		Edmondson, Re		

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.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
41FZ	5 Cr	ARRANGED	ARRANGED	07/01/19-08/30/19		Holland-Oher		

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: 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>	<u>Delivery</u>
41B1	3 Cr	5:00PM-6:00PM	M	07/01/19-08/26/19	10 111	Colombini, Li		

ECS 225 SCHOOL AGE ENVIRONMENT

This course will focus on the environment suitable for the development of school age children.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
41M1	2 Cr	ARRANGED	ARRANGED	07/08/19-08/30/19	ON LINE	Kaasa, Meliss	ONLINE	

ECS 230 PRACTICUM IV SCHOOL AGE

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

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>	<u>Delivery</u>
41C1	3 Cr	5:00PM-6:00PM	M	07/01/19-08/26/19	10 111	Colombini, Li		

ECS 235 ISSUES AND TRENDS

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

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
4141	2 Cr	5:00PM-6:00PM	M	07/01/19-08/26/19	10 111	Colombini, Li		

ECS 286 PRACTICUM IV - LEADERSHIP

Provides the opportunity for a practical field experience with a leadership specialization. Includes a seminar component. Text 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>	<u>Delivery</u>
413Z	3 Cr	ARRANGED	ARRANGED	07/01/19-08/30/19		Colombini, Li		
41D1	3 Cr	5:00PM-6:00PM	M	07/01/19-08/26/19	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.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
41AZ	3 Cr	ARRANGED	ARRANGED	07/01/19-08/30/19		Edmondson, Re		
41F1	3 Cr	5:00PM-6:00PM	M	07/01/19-08/26/19	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: 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>	<u>Delivery</u>
41G1	3 Cr	5:00PM-6:00PM	M	07/01/19-08/26/19	10 111	Colombini, Li		

ECS 292 THEORIES OF CHILD DEVELOPMENT

Exploration of child development theories and their application to the education of young children.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
4151	3 Cr	6:00PM-9:00PM	M	07/01/19-08/26/19	10 111	Felch, Linda	HYBRID	

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: 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>	<u>Delivery</u>
41H1	3 Cr	5:00PM-6:00PM	M	07/01/19-08/26/19	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: 26.25

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
5801	7 Cr	7:30AM-3:00PM	DAILY	07/01/19-08/30/19	14 213	Irish, Tracy		

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: 26.25

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
5811	7 Cr	7:30AM-3:00PM	DAILY	07/01/19-08/30/19	14 213	Irish, Tracy		

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: 26.25

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
5821	7 Cr	7:30AM-3:00PM	DAILY	07/01/19-08/30/19	14 213	Irish, Tracy		

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: 26.25

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
5831	7 Cr	7:30AM-3:00PM	DAILY	07/01/19-08/30/19	14 213	Irish, Tracy		

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: 26.25

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
5841	7 Cr	7:30AM-3:00PM	DAILY	07/01/19-08/30/19	14 213	Irish, Tracy		

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: 26.25

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
5851	7 Cr	7:30AM-3:00PM	DAILY	07/01/19-08/30/19	14 213	Irish, Tracy		

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: 26.25

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
5861	6 Cr	7:30AM-3:00PM	DAILY	07/01/19-08/30/19	14 213	Irish, Tracy		

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: 26.25

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
5871	6 Cr	7:30AM-3:00PM	DAILY	07/01/19-08/30/19	14 213	Irish, Tracy		

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: 26.25

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
5881	7 Cr	7:30AM-3:00PM	DAILY	07/01/19-08/30/19	14 213	Irish, Tracy		

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: 26.25

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
5891	2 Cr	7:30AM-3:00PM	DAILY	07/01/19-08/30/19	14 213	Irish, Tracy		

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: 26.25

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
58A1	7 Cr	7:30AM-3:00PM	DAILY	07/01/19-08/30/19	14 213	Irish, Tracy		

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: 26.25

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
58B1	7 Cr	7:30AM-3:00PM	DAILY	07/01/19-08/30/19	14 213	Irish, Tracy		

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: 26.25

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
58C1	7 Cr	7:30AM-3:00PM	DAILY	07/01/19-08/30/19	14 213	Irish, Tracy		

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: 26.25

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
58D1	7 Cr	7:30AM-3:00PM	DAILY	07/01/19-08/30/19	14 213	Irish, Tracy		

EFS 226 HIGH SECURITY STRUCTURED CABLING

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

Instructor Permission required.

Additional Fee: 26.25

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
58F1	7 Cr	7:30AM-3:00PM	DAILY	07/01/19-08/30/19	14 213	Irish, Tracy		

EFS 231 CCTV DIGITAL NETWORK SOLUTIONS

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

Instructor Permission required.

Additional Fee: 26.25

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
58G1	7 Cr	7:30AM-3:00PM	DAILY	07/01/19-08/30/19	14 213	Irish, Tracy		

ENGLISH

ENG 091 BASIC READING AND WRITING

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

Additional Fee: 24.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
5W01	5 Cr	8:00AM-8:50AM	MTW	07/01/19-08/30/19	16 116	Mollas, Tula	HYBRID	

ENG 094 ADVANCED READING AND WRITING

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

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>	<u>Delivery</u>
5W02	5 Cr	8:00AM-8:55AM	MTWTh	07/01/19-08/29/19	17 240	Faherty, Dion	HYBRID	
5W03	5 Cr	1:20PM-2:25PM	MTW	07/01/19-08/29/19	16 116	Mollas, Tula	HYBRID	
5W04	5 Cr	2:00PM-2:50PM	TWTh	07/02/19-08/29/19	16 203	Salave'a, Eli	HYBRID	

ENGL& 101 ENGLISH COMPOSITION I

Utilize the writing process to write clearly with consideration of audience, purpose, and tone, using standard grammar and punctuation conventions along with common discourse modes and patterns of organization. Read and process sources using independent and critical thinking skills, following established conventions for

incorporating and documenting sources in writing. Prerequisite(s): Accuplacer reading/writing combined score 277 or equivalent or successful completion of ENG 094.

Additional Fee: 24.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
0520	5 Cr	9:10AM-10:05AM	MTWTh	07/01/19-08/29/19	17 240	Faherty, Dion	HYBRID	
0523	5 Cr	ARRANGED	ARRANGED	07/01/19-08/30/19	ON LINE	Faherty, Dion	ONLINE	
0524	5 Cr	ARRANGED	ARRANGED	07/01/19-08/30/19	ON LINE	Faherty, Dion	ONLINE	
0521	5 Cr	10:20PM-12:25PM	TTh	07/02/19-08/29/19	17 240	Wegley, Mark	HYBRID	
0522	5 Cr	12:40PM-3:20PM	TTh	07/02/19-08/29/19	17 240	Heath, Terry	HYBRID	

ENVIRONMENTAL SCIENCE

ENV 135 HAZARDOUS WASTESITE OPERATIONS

Training in hazardous materials, personal protection, and safety provided in accordance with 29 CFR 1910.120 HAZWOPER Standard and WAC 296-843-20010. Training includes theory and application of incident management/command structures, response operation, toxicology, and planning, in addition to statutory requirements. Mandatory attendance required to receive certificate.

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>	<u>Delivery</u>
4501	8 Cr	9:15AM-2:45PM	MTWTh	07/01/19-07/25/19	16 102	Smith Kathy	HYBRID	
4511	8 Cr	9:15AM-2:45PM	MTWTh	08/05/19-08/29/19	16 102	Smith Kathy	HYBRID	

ENV 240 INTERNSHIP

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

Additional Fee: 63.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
4521	10 Cr	ARRANGED	ARRANGED	07/01/19-08/30/19	ARR	Smith Kathy		

ENV 246 ENVIRONMENTAL SCIENCE CAPSTONE

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

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
4531	2 Cr	ARRANGED	ARRANGED	07/01/19-08/30/19	ON LINE	Smith Kathy	ONLINE	

ENV 251 ENVIRONMENTAL CRITICAL AREAS

Covers environmental critical areas, including wetlands, wildlife conservation areas, aquifer recharge areas, flood hazard, and landslide areas. Focus is on wetland delineation and reporting. Appropriate sections of federal, state, and local regulations are addressed. Includes field trips to local sites and delineation projects on the campus wetland.

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>	<u>Delivery</u>
4541	7 Cr	9:15AM-2:00PM	DAILY	07/08/19-07/26/19	16 104	Faust, Derek	HYBRID	
4551	7 Cr	9:15AM-2:00PM	DAILY	08/05/19-08/23/19	16 104	Faust, Derek	HYBRID	

ESTHETIC SCIENCES

ES 105 A & P FOR ESTHETICIANS

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

Additional Fee: 72.45

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
6201	2 Cr	8:30AM-9:30AM	DAILY	07/01/19-08/30/19	02 123	Shields, Maur		

ES 110 HISTOLOGY & PHYSIOLOGY OF THE SKIN

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

Additional Fee: 72.45

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
6211	3 Cr	9:30AM-10:30AM	DAILY	07/01/19-08/30/19	02 123	Shields, Maur		

ES 113 INTRODUCTION TO COSMETIC CHEMISTRY

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

Additional Fee: 72.45

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
6221	3 Cr	10:30AM-11:30AM	DAILY	07/01/19-08/30/19	02 123	Shields, Maur		

ES 114 FACIAL PROCEDURES

Introduction to facial procedures, including client intake and assessment, skin analysis, clinical indications and contraindications. European facial instruction, product selections, and recommendations. Prerequisite(s): Successful completion of ES 105, ES 110, ES 113, ES 116, ES 120, and ES 123. Co-requisites: ES 118, ES 130, ES 132, ES 134, and ES 137.

Additional Fee: 103.65

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
6261	5 Cr	8:00AM-2:30PM	DAILY	07/01/19-07/17/19	08 319	Whipple, Jenn	HYBRID	

ES 116 CHARTING AND MEDICAL TERMINOLOGY FOR ESTHETICIAN

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

Additional Fee: 72.45

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
6231	4 Cr	1:00PM-2:00PM	DAILY	07/01/19-08/30/19	02 123	Shields, Maur		

ES 118 TEMPORARY HAIR REMOVAL

Survey of temporary hair removal to include: indication, contraindications, methods of epilation using multiple modalities including but not limited to hard wax, soft wax, and sugaring, lash and brow tinting as well as all safety and sanitation employed in the esthetics profession. Prerequisite(s): Successful completion of ES 105, 110, 113, 116, 120, and ES 123. Co-requisites: ES 114, 130, 132, 134 and ES 137.

Additional Fee: 103.65

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
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6271 4 Cr 8:00AM-2:30PM DAILY 07/19/19-07/30/19 08 319 Whipple, Jenn HYBRID

ES 120 SKIN DISEASES AND DISORDERS

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

Additional Fee: 72.45

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
6241	5 Cr	11:30AM-12:30PM	DAILY	07/01/19-08/30/19	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: 72.45

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
6251	4 Cr	7:30AM-8:30AM	DAILY	07/01/19-08/30/19	02 123	Shields, Maur		

ES 130 MAKEUP APPLICATION

Exploration of color theory, basic makeup allocation techniques and general product knowledge. Prerequisite(s): Successful completion of ES 105, ES 110, ES 113, ES 116, ES 120, and ES 123. Co-requisites: ES 114, ES 118, ES 132, ES 134, ES 137.

Additional Fee: 103.65

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
6281	2 Cr	8:00AM-2:30PM	DAILY	07/31/19-08/09/19	08 319	Whipple, Jenn	HYBRID	

ES 132 SKIN CARE AND BODY TREATMENTS

Body treatments to include: Foot soaks, mud wraps, body scrubs, wet and dry room techniques, back treatments. Prerequisite(s): Successful completion of ES 105, ES 110, ES 113, ES 116, ES 120, and ES 123. Co-requisites: ES 114, ES 118, ES 130, ES 134, and ES 137.

Additional Fee: 103.65

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
6291	4 Cr	8:00AM-2:30PM	DAILY	08/12/19-08/21/19	08 319	Whipple, Jenn	HYBRID	

ES 134 MACHINE FACIALS

Includes indications, contraindications and safety for electrical modalities, including galvanic, high frequency and other electrical equipment such as magnifying lamps, steamers and hot towel warmers., Prerequisite(s): Successful completion of ES 105, ES 110, ES 113, ES 116, ES 120, and ES 123. Co-requisites: ES 114, ES 118, ES 130, ES 132, and ES 137.

Additional Fee: 45.20

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
62A1	4 Cr	8:00AM-2:30PM	DAILY	08/22/19-08/27/19	08 319	Whipple, Jenn	HYBRID	

ES 136 MICRODERMABRASION AND SUPERFICIAL PEELS

Covers clinical exfoliation and desquamation techniques employing chemical and mechanical methods.

Prerequisite(s): Successful completion of ES 114, ES 118, ES 130, ES 132, ES 134, and ES 137. Co-requisites: ES 140, ES 145, ES 154, and ES 159.

Additional Fee: 72.45

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
62C1	4 Cr	9:00AM-3:30PM	DAILY	07/01/19-07/12/19	08 325	Sorensen, Kar	HYBRID	

ES 137 SPA CLINIC OPERATIONS

Intro to Realistic training incorporating, dispensary, laundry, spa and clinical operations, and management positions. Prerequisite(s): Successful completion of ES 105, ES 110, ES 113, ES 116, ES 120, and ES 123. Co-requisites: ES 114, ES 118, ES 130, ES 132, and ES 134.

Additional Fee: 45.20

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
62B1	1 Cr	8:00AM-2:30PM	DAILY	08/28/19-08/30/19	08 319	Whipple, Jenn	HYBRID	

ES 140 CLINICAL APPLICATIONS I

Realistic training in our student-run clinic, incorporating every aspect of an exemplar esthetics practice.

Prerequisite(s): Successful completion of ES 125, ES 128, ES 130, ES 132, ES 134, and ES 137. Co-requisites: ES 136, ES 145, ES 154, and ES 159.

Additional Fee: 14.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
62D1	7 Cr	11:30AM-3:30PM	MTWTh	07/15/19-07/29/19	08 325	Sorensen, Kar	HYBRID	

ES 141 CLINICAL APPLICATIONS II

Realistic training in our student-run clinic, incorporating every aspect of an exemplar esthetics practice and advanced modalities. Prerequisite(s): Successful completion of ES 136, ES 140, ES 145, ES 154, and ES 159. Co-requisites: ES 149, ES 150, ES 153, ES 157, and ES 158.

Additional Fee: 14.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
62J1	5 Cr	11:30AM-3:30PM	TWThF	07/16/19-08/30/19	08 327	Siedlicki, M	HYBRID	

ES 145 CORRECTIVE CONCEALING MAKEUP

Theory and application of corrective and concealing techniques for makeup applications. Prerequisite(s): Successful completion of ES 114, ES 118, ES 130, ES 132, ES 134, and ES 137. Co-requisites: ES 136, ES 140, ES 154 and ES 159.

Additional Fee: 72.45

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
62F1	3 Cr	9:00AM-3:30PM	DAILY	07/15/19-07/19/19	08 323	Sorensen, Kar	HYBRID	

ES 149 LASER THEORY AND APPLICATIONS

Didactic and hands-on applications of multiple laser modalities. Course will include all related safety and first aid components. Prerequisite(s): Successful completion of ES 136, ES 140, ES 141, ES 145, ES 154, and ES 159. Co-requisites: ES 141, ES 150, ES 153, ES 157, and ES 158.

Additional Fee: 72.45

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
62K1	5 Cr	9:00AM-11:15AM	DAILY	07/09/19-08/02/19	08 327	Siedlicki, M	HYBRID	

ES 150 MEDIUM DEPTH PEELS

Didactic and hands-on applications of clinical-based medium -depth peels. Course includes all related safety and first aid measures. Prerequisite(s): Successful completion of ES 136, ES 140, ES 145, ES 154, and ES 159. Co-requisites: ES 141, ES 149, ES 153, ES 157, and ES 158.

Additional Fee: 72.45

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
62L1	2 Cr	9:00AM-3:30PM	DAILY	07/01/19-07/08/19	08 327	Siedlicki, M	HYBRID	

ES 153 ADVANCED COSMETIC CHEMISTRY

In-depth study of cosmetic chemicals and product knowledge. Students will write research papers on chemical products, ingredients, and contraindications that may occur during an esthetic treatment. Prerequisite(s): Successful completion of ES 136, ES 140, ES 145, ES 154, and ES 159. Co-requisites: ES 141, ES 149, ES 150, ES 157, and ES 158.

Additional Fee: 72.45

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
62M1	3 Cr	9:00AM-11:15AM	DAILY	08/05/19-08/23/19	08 327	Siedlicki, M	HYBRID	

ES 154 ADVANCED SKIN CARE AND MASSAGE TECHNIQUES

This course includes advanced modalities of skin care, including MLD and other industry related techniques.

Prerequisite(s): Successful completion of ES 114, ES 118, ES 130, ES 132, ES 134, and ES 137. Co-requisites: ES 136, ES 140, ES 145, and ES 159.

Additional Fee: 72.45

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
62G1	5 Cr	9:00AM-3:30PM	DAILY	07/22/19-08/27/19	08 323	Sorensen, Kar	HYBRID	

ES 157 BUSINESS PLANNING

Independent research and preparation of a business plan and portfolio as capstone project. Prerequisite(s):

Successful completion of ES 136, ES 140, ES 145, ES 154, and ES 159. Co-requisites: ES 141, ES 149, ES 150, ES 153, and ES 158.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
62N1	2 Cr	9:00AM-3:30PM	DAILY	08/23/19-08/30/19	08 327	Siedlicki, M	HYBRID	

ES 158 STATE BOARD PREPARATION

This course includes kit preparation and simulation of state board examinations. Prerequisite(s): Successful completion of ES 136, ES 140, ES 145, ES 154, and ES 159. Co-requisites: ES 141, ES 149, ES 150, ES 153, and ES 157.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
62P1	2 Cr	9:00AM-3:30PM	DAILY	08/23/19-08/30/19	08 327	Siedlicki, M	HYBRID	

ES 159 INTRO TO BUSINESS PLANNING & PROFESSIONAL DEVELOPMENT

This course introduces students to outlining business plans by obtaining demographics, researching profit and loss statements, and outlining startup costs. Prerequisite(s): Successful completion of ES 114, ES 118, ES 130, ES 132, ES 134, and ES 137. Co-requisites: ES 136, ES 140, ES 145, and ES 154.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
62H1	1 Cr	9:00AM-3:30PM	DAILY	08/28/19-08/30/19	08 325	Sorensen, Kar	HYBRID	

FUNDAMENTAL SKILLS FOR MANUFACTURING AND ENGINEERING CLASSES

FSME 101 WORKSHOP SAFETY

Covers occupational safety and health for workers in manufacturing and engineering workshop environments.

Prerequisite(s): Instructor permission.

Instructor Permission required.

Additional Fee: 40.70

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
MQ01	3 Cr	7:30AM-3:00PM	MTWTh	07/01/19-08/30/19	25	Chesnes, Thom	HYBRID	

FSME 111 QUALITY PRINCIPLES, INSPECTION & TEST

Provides students with a foundational set of measurement, data analysis, and documentation skills. Teaches students how to interpret manufacturing drawings and schematics, how to take measurements and analyze data, and introduces quality principles and terminology used in industry. Prerequisite(s): Instructor permission.

Instructor Permission required.

Additional Fee: 50.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
MQ11	5 Cr	7:30AM-3:00PM	MTWTh	07/01/19-08/30/19	25	Chesnes, Thom	HYBRID	

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: 50.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
MQ21	5 Cr	7:30AM-3:00PM	MTWTh	07/01/19-08/30/19	25	Chesnes, Thom	HYBRID	

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: 50.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
MQ31	5 Cr	7:30AM-3:00PM	MTWTh	07/01/19-08/30/19	25	Chesnes, Thom	HYBRID	

GEOGRAPHY

GEO 215 GPS TECHNOLOGIES

Uses global positioning system equipment to create maps and files for use in ArcGIS (geographic information system). Focuses on Trimble GPS technologies. Covers analysis tools and layout features for map creation.

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>	<u>Delivery</u>
4561	2 Cr	9:15AM-3:00PM	DAILY	07/01/19-07/05/19	16 104	Faust, Derek	ENHANCED	
4571	2 Cr	9:15AM-2:00PM	DAILY	08/26/19-08/30/19	16 104	Faust, Derek	ENHANCED	

GEOLOGY

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 color 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>	<u>Delivery</u>
8521	5 Cr	9:00AM-5:00PM	W	07/03/19-08/28/19	11 154	Moyer, John	ENHANCED	

GTC 164 PREPRESS I

Students will create, edit and manipulate PDF files, combine files into PDF presentations, and to secure PDF documents. They will also work with many of the advanced features of Adobe Acrobat to include; OCR text recognition, preflight, print production tasks, touch 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>	<u>Delivery</u>
8501	5 Cr	9:00AM-5:00PM	M	07/01/19-08/26/19	11 154	Moyer, John	ENHANCED	

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>	<u>Delivery</u>
8551	5 Cr	9:00AM-5:00PM	T	07/02/19-08/27/19	11 158	Owens, Darryl	ENHANCED	

GTC 174 INDESIGN I

Perform techniques of the application of InDesign on the Macintosh or PC based computer. Create files for electronic output; create documents, using stale sheets, color/swatches, tabs, along with understanding color separations for creating a variety of projects such as menus, booklets, brochures, forms, and other documents. Explore PDF and postscript files, service bureaus and production speed. Prerequisite: 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>	<u>Delivery</u>
8571	5 Cr	9:00AM-5:00PM	Th	07/11/19-08/29/19	11 158	Owens, Darryl	ENHANCED	

GTC 203 PREFLIGHT

Explore the prepress environment using page layout, center object-oriented and imaging software applications. Creating projects in color for collect for output and packaging of files. Use Acrobat Professional to create and Distill PDF files, edit files, transfer files and create electronic portfolio. Perform electronic and laser separations for digital output, creating Postscript and EPS files, for graphic manipulation. Prerequisite(s): Successful completion of GTC 164, GTC 209, 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>	<u>Delivery</u>
8561	5 Cr	9:00AM-5:00PM	W	07/03/19-08/28/19	11 158	Owens, Darryl	ENHANCED	

GTC 225 ADVANCED PAGE LAYOUT PRINCIPLES

Apply Page advanced Layout techniques using industry standard software to produce files for output. Preflight and Package Press Ready files. Output Composite and Separations to Postscript. Impose 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>	<u>Delivery</u>
8541	5 Cr	9:00AM-5:00PM	M	07/01/19-08/26/19	11 158	Owens, Darryl	ENHANCED	

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, 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>	<u>Delivery</u>
8511	5 Cr	9:00AM-5:00PM	T	07/02/19-08/27/19	11 154	Moyer, John	ENHANCED	

GTC 264 PAPER, PRICING, AND ESTIMATING

Explore paper choices and cost within the printing industry. Estimate both materials and time for various printing processes. Produce a comprehensive business package, from research to print ready package. Present business package with estimates to a group.

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>	<u>Delivery</u>
8531	5 Cr	9:00AM-5:00PM	Th	07/11/19-08/29/19	11 154	Moyer, John	ENHANCED	

HEALTH UNIT COORDINATOR

HUC 106 ANATOMY & PHYSIOLOGY FOR HLTH UNIT COORDINATOR

Introduces basic word elements used in building medical terminology and identifies the different types of word elements present in each medical term by name. Introduces medical terms, body structure, and pathology in relation to each body system: integumentary, musculoskeletal, sensory, circulatory, nervous, endocrine, and digestive systems. Co-requisites: Enrollment in HUC 108, HUC 114, and HUC 120.

Additional Fee: 14.70

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
8171	3 Cr	3:00PM-10:00PM	TWTh	07/01/19-08/30/19	21 105	Perez, Joylen	HYBRID	

HUC 108 ORIENTATION TO HUC

This course will focus on orientation and introduction to campus policies and rules of conduct. This course will also introduce students to program policies, dress code, attendance, classroom, and workplace rules of conduct, program goals, and grading system. This course also focuses on the use of various communication devices and introduces the EMR/HER and related Windows programs used in the hospital. Co-requisites: Enrollment in HUC 106, HUC 114, and HUC 120.

Additional Fee: 128.30

<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>	<u>Delivery</u>
8161	6 Cr	3:00PM-10:00PM	DAILY	07/01/19-08/30/19	21 105	Perez, Joylen	HYBRID	

HUC 112 UNIT COORDINATOR TASKS & PROCEDURES II

Focuses on cognitive knowledge and performance skills in the computer laboratory. Students will demonstrate performance skills for maintaining medical records, accurately transcribing physicians' orders to the appropriate chart forms and Kardex, as well as completion of pseudo patient charts. Prerequisite(s): Successful completion of HUC 106, HUC 108, HUC 114, and HUC 120. Co-requisites: Enrollment in HUC 113, HUC 118, HUC 122, HUC 126, and HUC 132.

Additional Fee: 19.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
8101	4 Cr	8:00AM-2:45PM	MThF	07/01/19-08/30/19	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. Students will also be given the tools for developing and practicing assertive communication, interpersonal relationships, and confidentiality skills. Prerequisite(s): Successful completion of HUC 106, HUC 108, HUC 114, and HUC 120. Co-requisites: Enrollment in HUC 112, HUC 118, HUC 122, HUC 126, and HUC 132.

Additional Fee: 4.90

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
8111	1 Cr	8:00AM-2:45PM	DAILY	07/01/19-08/30/19	21 105	Briggs, Marla	HYBRID	

HUC 114 UNIT COORDINATOR TASKS & PROCEDURES I

Enables identification of the forms commonly used in the patient's chart. Students will learn to explain the purpose of a patient's chart and recognize the charting responsibilities for each health care team member. Presents instruction and procedures for scheduling appointments by telephone, computer, and writing. Also focuses on students' performance in the computer-skill laboratory, demonstrating their cognitive knowledge for maintaining medical records; ordering laboratory and diagnostic exams; accurately transcribing physicians' orders; recognizing treatment orders; ordering nursing supplies; identifying abbreviations, symbols, and terms used in a medication order; and charting information accurately to the appropriate forms and the Kardex for their pseudo patients. Co-requisite(s): Enrollment in HUC 106, HUC 108, and HUC 120.

Additional Fee: 64.75

<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>	<u>Delivery</u>
8181	7 Cr	3:00PM-10:00PM	M	07/01/19-08/30/19	21 105	Perez, Joylen	HYBRID	

HUC 118 ADV COMMUNICATIONS APPLICATIONS IN THE HUC ROLE

Improves communication among diverse cultures and incorporates the relevant needs of culturally diverse groups in the medical field. Provide students with an overview and understanding of the fundamentals of communication. Prerequisite(s): Successful completion of HUC 106, HUC 108, HUC 114, and HUC 120. Co-requisites: Enrollment in HUC 112, HUC 113, HUC 122, HUC 126, and HUC 132.

Additional Fee: 9.80

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
8121	2 Cr	8:00AM-2:45PM	MTTh	07/01/19-08/30/19	21 105	Briggs, Marla	HYBRID	

HUC 120 UNIT MANAGEMENT

Covers management responsibilities for the nursing unit, including time management and identification of possible fire and safety hazards on the nursing unit. Co-requisites: Enrollment in HUC 106, HUC 108, and HUC 114.

Additional Fee: 14.70

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
8191	3 Cr	3:00PM-10:00PM	W	07/01/19-08/30/19	21 105	Perez, Joylen	HYBRID	

HUC 122 UNIT MANAGEMENT II

Focuses on cognitive knowledge for managing the nursing unit and developing verbal and written communication skills. Students will develop leadership and performance skills by practicing classroom management.

Prerequisite(s): Successful completion of HUC 106, HUC 108, HUC 114, and HUC 120. Co-requisites: Enrollment in HUC 112, HUC 113, HUC 118, HUC 126, and HUC 132.

Additional Fee: 14.70

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
8131	3 Cr	8:00AM-2:45PM	TW	07/01/19-08/30/19	21 105	Briggs, Marla	HYBRID	

HUC 126 LEGAL/ETHICAL ASPECTS OF UNIT COORDINATING

Enables students to identify legal elements that are necessary in regard to preparing legal documents, discussing hospital and patient confidentiality, or witnessing signatures on consents for treatment. The ethics of this profession will be explored, and students will learn how to apply these ethics in professional behaviors. Covers AIDS education, blood-borne pathogens, HIPAA and hepatitis information. Prerequisite(s): Successful completion of HUC 106, HUC 108, HUC 114, and HUC 120. Co-requisites: Enrollment in HUC 112, HUC 113, HUC 118, HUC 122, and HUC 132.

Additional Fee: 9.80

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
8141	2 Cr	8:00AM-2:45PM	WF	07/01/19-08/30/19	21 105	Briggs, Marla	HYBRID	

HUC 132 CLINICAL EXPERIENCE

Enables students to use the cognitive and performance objectives from courses HUC 102 through 126 in the clinical setting. The course focuses on resume preparation, employment application, and an employment interview.

In order to participate in the clinical aspect of the program, students must receive a 'No Record On File' report from the Washington State Patrol regarding crimes against persons. Clinical hours vary from six to eight hours per day, four days per week. Students unable to complete course HUC 132 will have the option of completing a clinical rotation with the next available program, on approval from the instructors, within six months. Prerequisite(s): Successful completion of HUC 106, HUC 108, HUC 114, and HUC 120. Co-requisites: Enrollment in HUC 112, HUC 113, HUC 118, HUC 122, and HUC 126.

Additional Fee: 14.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
8151	7 Cr	8:00AM-2:45PM	DAILY	07/01/19-08/30/19	21 105	Briggs, Marla	HYBRID	

HUC 204 ECG MONITOR TECHNICIAN

Examines basic cardiac function, normal and abnormal cardiac rhythms, etiology of arrhythmias, and interpretation of EKG tracing. Class time will consist of lectures, identifying rhythms, and group challenges. This course provides students with an excellent baseline understanding of both simple and more complex rhythms.

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>	<u>Delivery</u>
81A1	3 Cr	3:00PM-6:00PM	TWThF	07/09/19-08/06/19	21 105	Perez, Joylen	HYBRID	

HEATING/VENTILATION/AIR CONDITIONING (HVAC)

HAC 102 BASIC ELECTRICITY

Discusses the structure of matter, movement, electrons, conductors, insulators, direct and alternating currents, and electrical units of measurement. Students will also study electrical circuits and measurements, Ohm's law, series and parallel circuits, and electrical power. Also includes magnetic fields, inductance, transformers, capacitance, impedance, sine waves, and use of electrical measuring instruments. Co-requisites: HAC 105, HAC 120, HAC 162, HAC 163, HAC 164, and HAC 169, or instructor permission.

Additional Fee: 64.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
1801	5 Cr	7:00AM-1:45PM	DAILY	07/01/19-08/30/19	25 202	Bean, Thomas	ENHANCED	

HAC 105 ELECTRICAL CIRCUITS

Discusses types of automatic control devices that respond to thermal change, the bimetal device, control by fluid expansion, the thermocouple, and electronic sensing devices. Covers space temperature controls (both high and low voltage), sensing temperatures of solids, pressure-sensing devices, oil-pressure safety controls, air-pressure controls, devices that control fluid flow, and maintenance of mechanical and electromechanical controls. Co-requisites: HAC 102, HAC 120, HAC 162, HAC 163, HAC 164, and HAC 169, or instructor permission.

Additional Fee: 59.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
1811	4 Cr	7:00AM-1:45PM	DAILY	07/01/19-08/30/19	25 202	Bean, Thomas	ENHANCED	

HAC 120 ADVANCED CONTROLS AND TROUBLESHOOTING

Covers control terminology, applications and electronic control circuits. Pneumatic controls and direct digital controls are also explored, along with programmable thermostats. Also covers procedures for troubleshooting basic and complex circuits, thermostats, and high-voltage circuits controlled by thermostats. Describes procedures for measuring amperage and voltage in low-voltage circuits and discusses pictorial and line diagrams. Co-requisites: HAC 102, HAC 105, HAC 162, HAC 163, HAC 164, and HAC 169, or instructor permission.

Additional Fee: 59.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
1821	4 Cr	7:00AM-1:45PM	DAILY	07/01/19-08/30/19	25 202	Bean, Thomas	ENHANCED	

HAC 162 ELECTRIC MOTORS AND THEIR APPLICATIONS

Discusses types of electric motors, along with starting and running components and characteristics, motor speeds, and power supplies. Specific topics also included are single and split-phase motors, the centrifugal switch, electronic replay, capacitor start motors, capacitor run motors, permanent split capacitor motors, shaded pole motors, single-phase hermetic motors, positive temperature coefficient motors, and variable -speed motors. Includes discussions of various characteristics and insulations, bearings, mountings, and motor drives. Co-requisites: HAC 102, HAC 105, HAC 120, HAC 163, HAC 164, and HAC 169, or instructor permission.

Additional Fee: 59.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
1841	4 Cr	7:00AM-1:45PM	DAILY	07/01/19-08/30/19	25 202	Bean, Thomas	ENHANCED	

HAC 163 REFRIGERATION CONTROLS

Fundamentals of refrigeration controls and defrost systems. Prerequisite(s): Must have required hand tools of the trade and be enrolled in HAC 164. Co-requisites: HAC 102, HAC 105, HAC 120, HAC 162, HAC 164, and HAC 169.

Additional Fee: 54.70

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
1831	3 Cr	7:00AM-1:45PM	DAILY	07/01/19-08/30/19	25 202	Bean, Thomas	ENHANCED	

HAC 164 ELECTRIC MOTOR CONTROLS AND TROUBLESHOOTING MOTO

Discusses mechanical and electrical motor troubleshooting. This includes drive assemblies, belt tension, pulley alignment, open and shorted windings, shorts to ground, capacitor problems, wiring and connectors, and troubleshooting hermetic motors. Co-requisites: HAC 102, HAC 105, HAC 120, HAC 162, HAC 163, HAC 169 or instructor permission.

Additional Fee: 54.70

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
1851	3 Cr	7:00AM-1:45PM	DAILY	07/01/19-08/30/19	25 202	Bean, Thomas	ENHANCED	

HAC 169 ADV MOTOR THEORY

Understanding variable-speed and capacity control motors (ECMs, Offloaders, Compressors, Inverter Drives). Prerequisite(s): Must have required hand tools of the trade and be enrolled in HAC 164. Co-requisites: HAC 102, HAC 105, HAC 120, HAC 162, HAC 163, and HAC 164.

Additional Fee: 49.80

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
1861	2 Cr	7:00AM-1:45PM	DAILY	07/01/19-08/30/19	25 202	Bean, Thomas	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 162, HAC 163, HAC 164, and HAC 169. Co-requisites: HAC 170, HAC 175, HAC 181, and HAC 184.

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>	<u>Delivery</u>
1871	7 Cr	7:00AM-1:45PM	DAILY	07/01/19-08/30/19	25 402	Mcghee, Dwigh	ENHANCED	

HAC 175 HEATING I LAB

Teaches students to troubleshoot and repair gas-burning appliances. Thermal physics and equipment for heating systems analysis and efficiency are studied. 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>	<u>Delivery</u>
1881	5 Cr	7:00AM-1:45PM	DAILY	07/01/19-08/30/19	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 electric and gas fuel 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>	<u>Delivery</u>
1891	6 Cr	7:00AM-1:45PM	DAILY	07/01/19-08/30/19	25 402	Mcghee, Dwigh	ENHANCED	

HAC 184 HEATING II LAB

Teaches students to competently troubleshoot and repair electric, gas, and fuel heating equipment; thermal physics, gas safety, and equipment for heating systems analysis and efficiency are studied. This is a hands-on class using live projects. Prerequisite(s): Must have completed HAC 102-175, 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>	<u>Delivery</u>
18A1	4 Cr	7:00AM-1:45PM	DAILY	07/01/19-08/30/19	25 300	Mcghee, Dwigh	ENHANCED	

HAC 202 ADVANCED REFRIGERATION

Covers competently troubleshooting and repair of refrigeration equipment, thermal physics and equipment for refrigeration systems analysis and efficiency. This is a hands-on class utilizing live projects. Prerequisite(s): Must have required hand tools of the trade. Must be enrolled in HAC 249 and HAC 257.

Additional Fee: 89.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
18B1	10 Cr	7:00AM-1:45PM	DAILY	07/01/19-08/30/19	25 300	Mcghee, Dwigh	ENHANCED	

HAC 249 JOB READINESS

Covers resume writing, cover letter preparation, Internet job search, Work Source job readiness workshop, and tips on filling out job applications. Prerequisite(s): Must be enrolled in HAC 202 and HAC 257.

Additional Fee: 64.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
18D1	5 Cr	7:00AM-1:45PM	DAILY	07/01/19-08/30/19	25 300	Mcghee, Dwigh	ENHANCED	

HAC 257 COMMERCIAL REFRIGERATION

Troubleshoot and repair commercial refrigeration through study material and DVD format. Refrigeration fundamentals, refrigeration electrical controls, and refrigeration charging are explored. This is a hands-on class utilizing live projects. Prerequisite(s): Must have required hand tools of the trade. Must be enrolled in HAC 202 and HAC 249.

Additional Fee: 74.30

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
18C1	7 Cr	7:00AM-1:45PM	DAILY	07/01/19-08/30/19	25 300	Mcghee, Dwigh	ENHANCED	

HEMODIALYSIS

HISTORY

HUMAN SERVICES

HS 120 SOFT SKILLS FOR THE HUMAN SERVICES PROFESSIONAL

Designed to prepare students for the internship portion of the program, as well as employment. Students will develop professional resumes, cover letters, and employment preparation materials in line with human services industry standards. Topics include workplace communication skills, including written and oral communication, team building, time and self-management, stress management, and conflict resolution for the workplace. Students will explore the supervisor-supervisee relationship, including the functions of evaluation, self-evaluation, and professional development. Prerequisite(s): Students must complete HS 115, HS 127, and HS 237 to be eligible to take this course.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
2441	3 Cr	ARRANGED	ARRANGED	07/01/19-08/30/19	ON LINE	Welch, Rober	ONLINE	

HS 125 HIV/AIDS & BLOOD BOURNE PATHOGENS & BRIEF RISK

Increase student's knowledge of HIV/AIDS & blood-borne pathogens. Students will gain knowledge of the history of HIV/AIDS and related issues. Provides 10 hours of HIV/AIDS training in the areas of transmission, occupational safety, and standard precautions. Prerequisite(s): For Human Services Generalists: Students must be a high school graduate or have passed a highschool equivalency test and have Accuplacer reading/writing combined score of 277 or equivalent or higher, or successful completion of ENG 094, and have an Accuplacer quantitative score of 230 or equivalent or successful completion of MAT 092 prior to starting the course. For HSCD certificate students: Completion of a terminal degree (A.A., B.A., M.S., etc.), OR student is entering their fourth quarter of the Human Services associate degree program.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
2451	1 Cr	ARRANGED	ARRANGED	07/01/19-08/30/19	ON LINE	Welch, Rober	ONLINE	

HS 152 INTERNSHIP I

Students will participate in on-the-job training in the human services field of their choice. Duties and tasks are supervised. Students will perform relevant job duties and tasks within an agency of their choice, attend supervision meetings, identify applicable community resources, and perform other job duties as assigned. Instructor permission is required for site choice. Prerequisite(s): Students must complete HS 225, HS 125, HS 227, and HS 120 to be eligible to take this course.

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>	<u>Delivery</u>
2481	3 Cr	ARRANGED	ARRANGED	07/01/19-08/30/19	02 112	White, Duke		

HS 222 APPLIED COUNSELING FOR THE HUMAN SERVICES PROFES

Increases student knowledge of a variety of counseling theories, theorists, and techniques, from both a historical and contemporary viewpoint. Students will explore the practical application and appropriate uses of these theories in the human services system. Prerequisite(s): Students must complete HS 152, HS 226, and HS 234 to be eligible to take this course.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
2491	5 Cr	9:00AM-9:50AM	DAILY	07/01/19-08/30/19	02 112	Watts, Bryant	HYBRID	

HS 225 SURVEY OF COMMUNITY RESOURCES

Introduces students to a variety of community-based human service agencies through examination of their services, functions, and service populations. The class will participate in field visits, guest lectures, and exercises designed to assist them in understanding the relevance of each service component to the whole community, regional, and state system. Prerequisite(s): Students must complete HS 115, HS 127, and HS 237 to be eligible to take this course.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
2461	3 Cr	1:00PM-3:00PM	MW	07/01/19-08/28/19	02 120	Welch, Rober	HYBRID	

HS 227 BEHAVIORAL HEALTH & WELLNESS

Introduces students to the dimensions of wellness, including physical, emotional, social, and spiritual components. Students explore strategies for personal behavioral health and wellness, including coping strategies, personal boundaries, self-awareness, and how to avoid burnout on the job. Prerequisite(s): Students must complete HS 115, HS 127, and HS 237 to be eligible to take this course.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
2471	5 Cr	10:00AM-10:50AM	MWF	07/01/19-08/30/19	02 120	Welch, Rober		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 HS 152, HS 226, and HS 234 to be eligible to take this course.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
24A1	5 Cr	10:00AM-11:50AM	MWF	07/01/19-08/30/19	02 112	Watts, Bryant		HYBRID

HS 241 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 HS 152, HS 226, and HS 234 to be eligible to take this course

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
24B1	5 Cr	10:00AM-11:50AM	TTh	07/02/19-08/29/19	02 120	Welch, Rober		HYBRID

HS 245 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): Successful completion of HS 152 Internship I.

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>	<u>Delivery</u>
24C1	3 Cr	ARRANGED	ARRANGED	07/01/19-08/30/19	02 112	White, Duke		

HS 255 INTERNSHIP III

Students will participate in on-the-job training in the human services field of their choice. Duties and tasks are supervised. Students perform relevant job duties and tasks within their agency of choice, attend supervision meetings, identify applicable community resources, and perform other job duties as assigned. Instructor permission is required for site choice. Successful completion of Internship II is required. Prerequisite(s): Successful completion of HS 245 Internship II.

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>	<u>Delivery</u>
24D1	3 Cr	ARRANGED	ARRANGED	07/01/19-08/30/19	02 112	White, Duke		

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 a terminal degree associate or higher, OR student has completed HS 222, HS 241, HS 230, and HS 255. Completion of HSCD 134 Introduction to Chemical Dependency.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
2401	5 Cr	ARRANGED	ARRANGED	07/01/19-08/30/19	ON LINE	Welch, Rober	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 a terminal degree associate or higher, OR student has completed HS 222, HS 241, HS 230, and HS 255.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
2411	5 Cr	5:00PM-7:15PM	W	07/03/19-08/28/19	02 120	Weinmann, Jen	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 a terminal degree associate or higher, OR student has completed HS 222, HS 241, HS 230, and HS 255.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
2421	3 Cr	7:30PM-10:00PM	W	07/03/19-08/28/19	02 112	Weinmann, Jen	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. Evidence-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 a terminal degree associate or higher, OR student has completed HS 222, HS 241, HS 230, and HS 255.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
2431	1 Cr	ARRANGED	ARRANGED	07/01/19-08/30/19	ON LINE	Welch, Rober	ONLINE	

HUMANITIES

HUM& 101 INTRODUCTION TO HUMANITIES

AN INTRODUCTION TO THE HUMANITIES THROUGH INVESTIGATION OF CURRENT EVENTS OFFERED BY LOCAL COMMUNITIES. STUDY OF THE ARTS-PAINTING, SCULPTURE, ARCHITECTURE, DRAMA, FILM, MUSIC AND DANCE - WILL BE ENHANCED BY ATTENDING PERFORMANCES AND ON-LOCATION FIELD TRIPS TO SITES IN THE COMMUNITY. STUDENTS WILL BECOME FAMILIAR WITH TERMINOLOGY OF THE ARTS AND WITH COMMUNITY PERFORMANCE/DEMONSTRATIONS OF THESE SAME ARTS (MULTICULTURAL CONTENT) (WRITING INTERNSIVE) PREREQUISITE: SUCCESSFUL COMPLETION OF ENG 094 WITH A MINIMUM OF C OR EQUIVALENT.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
0501	5 Cr	ARRANGED	ARRANGED	07/01/19-08/30/19	ON LINE	Rendal, Cami	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: 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>	<u>Delivery</u>
3631	5 Cr	8:00AM-2:00PM	DAILY	08/12/19-08/30/19	19 210	Rose, Jaya		

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: 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>	<u>Delivery</u>
3601	4 Cr	8:00AM-12:00PM	DAILY	07/15/19-07/26/19	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: 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>	<u>Delivery</u>
3621	5 Cr	8:00AM-2:00PM	DAILY	07/29/19-08/09/19	19 210	Rose, Jaya		

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: 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>	<u>Delivery</u>
3611	4 Cr	8:00AM-2:00PM	DAILY	07/01/19-07/12/19	19 210	Bowman, Michl		

DSN 152 FURNITURE AND CABINET DESIGN

This course covers the fundamentals of custom furniture and cabinet design. Students will design a unique custom piece of furniture based on the study of furniture design theory, function, social use, materials, and fabrication.

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>	<u>Delivery</u>
36D1	2 Cr	12:00PM-2:00PM	MTTh	07/22/19-08/01/19	19 124	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: 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>	<u>Delivery</u>
3641	4 Cr	8:00AM-2:00PM	MTWTh	07/01/19-07/15/19	19 202	Watts, Julie	ENHANCED	

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>	<u>Delivery</u>
36F1	5 Cr	ARRANGED	ARRANGED	07/01/19-08/30/19	ON LINE	Watts, Julie	ONLINE	

DSN 216 CAD I

Learn to use the basic functions of AutoCAD software to produce 2D drawings for interior design. Prerequisite(s): Basic competency with computers.

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>	<u>Delivery</u>
3651	5 Cr	8:00AM-2:00PM	MTWTh	07/16/19-08/01/19	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>	<u>Delivery</u>
36G1	4 Cr	ARRANGED	ARRANGED	07/01/19-08/30/19	ON LINE	Watts, Julie	ONLINE	

DSN 225 DESIGN I

This course introduces space planning for commercial interiors, including programming, design schematics and development, as well as relevant ADA Standards for Accessible Design and building codes. Prerequisite(s): Successful completion of DSN 204 and 216.

Additional Fee: 74.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
3661	5 Cr	8:00AM-2:00PM	MTWTh	08/05/19-08/20/19	19 202	Watts, Julie		

DSN 226 SUSTAINABLE STRATEGIES IN DESIGN

Introduces sustainable strategies for the integrated interior environment, including identifying materials, products, lighting systems, and building components that embody the principles of sustainability. Prerequisite(s): It is recommended to have completed or be concurrently enrolled in DSN 215 Sustainable Design: An Overview. Basic competency with computers and navigating the web.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
36H1	5 Cr	ARRANGED	ARRANGED	07/01/19-08/30/19	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, DSN 224, and DSN 226. Basic competency with computers and navigating the web.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
36J1	5 Cr	ARRANGED	ARRANGED	07/01/19-08/30/19	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: 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>	<u>Delivery</u>
3671	3 Cr	8:00AM-2:00PM	DAILY	08/21/19-08/30/19	19 202	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 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>	<u>Delivery</u>
36B1	4 Cr	ARRANGED	ARRANGED	07/01/19-08/30/19	ARR	Bowman, Michl		

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: 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>	<u>Delivery</u>
36A1	3 Cr	8:00AM-2:00PM	MTTh	07/01/19-07/18/19	19 ARR	Bowman, Michl		

DSN 265 INDEPENDENT STUDY

Explore or expand knowledge of interior design within an independent study format. With guidance and instructor approval, students will select a meaningful project within an area of interest to strengthen their range of abilities. Students will fulfill several pre-approved objectives at the conclusion of the course, completing a self-assessment and final presentation to the instructor. Prerequisite(s): Instructor approval.

Additional Fee: 64.70

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
36K1	3 Cr	ARRANGED	ARRANGED	07/01/19-08/30/19	19 210	Bowman, Michl		

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: 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>	<u>Delivery</u>
36C1	7 Cr	8:00AM-2:00PM	F	07/05/19-08/30/19	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, completing 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>	<u>Delivery</u>
36L1	4 Cr	ARRANGED	ARRANGED	07/01/19-08/30/19	19 210	Bowman, Michl		

DSN 275 INDEPENDENT STUDY

Explore or expand knowledge of interior design within an independent study format. With guidance and instructor approval, students will select a meaningful project within an area of interest to strengthen their range of abilities. Students will fulfill several pre-approved objectives at the conclusion of the course, completing a self-assessment and final presentation to the instructor. Prerequisite(s): Instructor approval.

Additional Fee: 74.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
36M1	5 Cr	ARRANGED	ARRANGED	07/01/19-08/30/19	19 210	Staff		

LEADERSHIP

LEADR 100 LEADERSHIP I

Students taking this course will gain a basic understanding of the concept of leadership theory while developing a personal philosophy of leadership, an awareness of the moral and ethical responsibilities of leadership and to develop and improve their own leadership skills. This course integrates leadership studies through study, observation and application.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
0518	Var	ARRANGED	ARRANGED	07/01/19-08/30/19	ON LINE	Pau, Alison	ONLINE	

LEADR 101 LEADERSHIP II

Students taking this course will gain a basic understanding of the concept of leadership theory while developing a personal philosophy of leadership, an awareness of the moral and ethical responsibilities of leadership and to develop and improve their own leadership skills. This course integrates leadership studies through study, observation and application.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
0519	Var	ARRANGED	ARRANGED	07/01/19-08/30/19	ON LINE	Pau, Alison	ONLINE	

LIFESPAN PSYCHOLOGY

PSYC& 200 LIFESPAN PSYCHOLOGY

Introduces the milestones of human development from conception to death. It describes the physical, cognitive, and social growth of people, with special attention to various cultural contexts of development and the rich diversity of individuals. The content is drawn from research and theories in developmental psychology. Students are expected to integrate their personal experiences, knowledge of psychology, and their observations of human development with the content of this course. Implications for parenting, education, and social policy making will be discussed, so that students may apply course information to meaningful problems. Prerequisite(s): Successful completion of PSYC& 100.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
0533	5 Cr	ARRANGED	ARRANGED	07/01/19-08/30/19	ON LINE	Curry, Roger	ONLINE	

MANUFACTURING TECHNOLOGIES

MCH 101 SHOP SAFETY

Provides an overview of the program, orientation to shop procedures, and the responsibilities associated with personal safety and the safety of others. Prerequisite: Instructor's permission.

Additional Fee: 50.35

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
7801	2 Cr	7:05AM-1:50PM	TTh	07/01/19-08/30/19	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.

Additional Fee: 69.95

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
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7811 6 Cr 7:05AM-1:50PM TTh 07/01/19-08/30/19 25 105 Dam, Ken HYBRID

MCH 107 SHOP MATH/BLUEPRINT II

Provides study of basic geometry concepts and introduction to calculators. Advanced study of prints and reading of machine details. Prerequisite: Instructor's permission and MCH 101.

Additional Fee: 69.95

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
7821	6 Cr	7:05AM-1:50PM	TTh	07/01/19-08/30/19 25 105		Dam, Ken	HYBRID	

MCH 109 SHOP MATH/BLUEPRINT III

An introduction to trigonometric functions, practical machine mathematical applications, the Cartesian coordinate system, geometric dimensioning, and tolerancing. Prerequisite: Instructor's permission and MCH 101.

Additional Fee: 69.95

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
7831	6 Cr	7:05AM-1:50PM	TTh	07/01/19-08/30/19 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.

Additional Fee: 69.95

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
7841	6 Cr	7:05AM-1:50PM	TTh	07/01/19-08/30/19 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.

Additional Fee: 69.95

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
7851	6 Cr	7:05AM-1:50PM	TTh	07/01/19-08/30/19 25 105		Dam, Ken	HYBRID	

MCH 121 SAFETY IN THE WORKPLACE

Progressively difficult operations on milling machines, with emphasis on setups, speeds, feeds, end milling, side milling, shell milling, drilling, and tapping. Actual machining jobs from industry may be utilized. Prerequisite: Instructor's permission and MCH 101.

Additional Fee: 69.95

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
7861	6 Cr	7:05AM-1:50PM	TTh	07/01/19-08/30/19 25 105		Dam, Ken	HYBRID	

MCH 122 LATHES & MILLS II

Intermediate calculations and machining operations with emphasis on accessories for lathes and milling machines. Actual machining jobs from industry may be utilized. Prerequisite: Instructor's permission and MCH 101.

Additional Fee: 79.75

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
7871	8 Cr	7:05AM-1:50PM	TTh	07/01/19-06/30/19 25 105		Dam, Ken	HYBRID	

MCH 125 LATHES & MILLS III

Progressively advanced turning and milling techniques with emphasis placed on precision setup using geometric dimensioning and tolerancing. Actual machining jobs from industry may be utilized. Prerequisite: Instructor's permission and MCH 101.

Additional Fee: 89.55

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
7881	10 Cr	7:05AM-1:50PM	TTh	07/01/19-08/30/19	25 105	Dam, Ken		HYBRID

MCH 126 LATHES & MILLS IV

Progressively advanced turning and milling techniques with emphasis placed on the use of all shop equipment to complete advanced precision projects. Actual machining jobs from industry may be utilized. Prerequisite: Instructor's permission and MCH 101.

Additional Fee: 79.75

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
7891	8 Cr	7:05AM-1:50PM	MW	07/01/19-08/30/19	25 105	Dam, Ken		HYBRID

MCH 129 SURFACE GRINDING

Progressively difficult grinding operations with emphasis on surface grinding, mounting, dressing, and truing grinding machine wheels. Prerequisite: Instructor's permission and MCH 101

Additional Fee: 60.15

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
78A1	4 Cr	7:05AM-1:50PM	MW	07/01/19-08/30/19	25 105	Dam, Ken		HYBRID

MCH 133 TOOL & CUTTER GRINDER

Progressively difficult tool and cutter grinding with emphasis on milling cutters, reamers, and form tools. Prerequisite: Instructor's permission and MCH 101.

Additional Fee: 65.05

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
78B1	5 Cr	7:05AM-1:50PM	MW	07/01/19-08/30/19	25 105	Dam, Ken		HYBRID

MCH 201 CATIA I

Gain introductory knowledge of 3D and parametric design using CATIA V5 software to create basic parts and assemblies in solids and wireframe. Prerequisite(s): Instructor permission required.

Additional Fee: 65.05

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
78C1	5 Cr	ARRANGED	ARRANGED	07/01/19-08/30/19	25 ARR	Dam, Ken		HYBRID

MCH 202 INTRODUCTION TO CNC

Introduction to CNC programming software and setups using CAD/CAM interfacing and project milling, drilling, and lathe turning. Actual machining jobs from industry may be used. Prerequisite(s): Instructor's permission and MCH 101.

Additional Fee: 74.85

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
78D1	7 Cr	7:05AM-1:50PM	MW	07/01/19-08/30/19	25 105	Dam, Ken		HYBRID

MCH 203 CATIA II

Build upon modeling and parametric design using CATIA V5 software to apply graphic skills to create parts, assemblies, and profiles in solids and wireframe. Prerequisite(s): Instructor permission required.

Additional Fee: 55.25

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
78F1	3 Cr	ARRANGED	ARRANGED	07/01/19-08/30/19	25 ARR	Dam, Ken		HYBRID

MCH 206 CATIA III

Apply more advanced modeling and parametric design using CATIA V5 software to create complex parts and assemblies in solids and wireframes. Prerequisite(s): Instructor permission required.

Additional Fee: 55.25

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
78G1	3 Cr	ARRANGED	ARRANGED	07/01/19-08/30/19	25 ARR	Dam, Ken	HYBRID	

MCH 211 MEASUREMENT INSPECTION & EQUIPMENT

Covers understanding and operating Computer Numerical Control (CNC) machinery. Also includes writing programs and manual data input. Actual machining jobs from industry may be used. Prerequisite(s): Instructor's permission and MCH 101. Covers progressively advanced CNC machining techniques, with emphasis placed on program troubleshooting and increased production. Actual machining jobs from industry may be used. Prerequisite(s): Instructor's permission and MCH 101.

Additional Fee: 89.55

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
78H1	10 Cr	7:05AM-1:50PM	MW	07/01/19-08/30/19	25 105	Dam, Ken	HYBRID	

MCH 216 ADVANCED CNC

Progressively advanced CNC machining techniques with emphasis placed on program troubleshooting, and increased production. Actual machining jobs from industry may be utilized. Prerequisite: Instructor's permission and MCH 101.

Additional Fee: 99.35

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
78J1	12 Cr	7:05AM-1:50PM	MW	07/01/19-08/30/19	25 105	Dam, Ken	HYBRID	

MCH 219 CAREER OPPORTUNITIES

Covers writing a resume, researching employers and job -search techniques. Prerequisite(s): Instructor's permission and MCH 101.

Additional Fee: 60.15

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
78K1	4 Cr	7:05AM-1:50PM	MW	07/01/19-08/30/19	25 105	Dam, Ken	HYBRID	

MCH 223 INSPECTION TECHNIQUES

Covers proper use of inspection tools and equipment. Emphasis is on applied use of geometric dimensioning and tolerancing, with use of granite layout surfaces. Prerequisite(s): Instructor's permission and MCH 101.

Additional Fee: 69.95

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
78L1	6 Cr	7:05AM-1:50PM	MW	07/01/19-08/30/19	25 105	Dam, Ken	HYBRID	

MCH 229 METALLURGY & HEAT TREATMENT

Provides insight into the study of the properties and compositions of metals. Emphasis is on heat treatment of metals. Prerequisite(s): Instructor's permission and MCH 101.

Additional Fee: 60.15

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
78M1	4 Cr	7:05AM-1:50PM	MW	07/01/19-08/30/19	25 105	Dam, Ken	HYBRID	

MCH 231 MANUFACTURING RESOURCES & RESEARCH

This course is a study of resources for machining information, with emphasis on methods of research. Prerequisite(s): Instructor's permission and MCH 101.

Additional Fee: 60.15

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
78N1	4 Cr	7:05AM-1:50PM	MW	07/01/19-08/30/19	25 105	Dam, Ken	HYBRID	

MCH 240 TRAINING AND PRACTICE

This course provides special instruction to suit the individuals needs. Repeated enrollment ensures progressively

advanced training. The number of times one may enroll is based on the students needs, at the instructors advisement. PREREQUISITE: MCH 101 and Instructor's permission.

Additional Fee: 89.55

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
78P1	Var	ARRANGED		ARRANGED 07/01/19-08/30/19	25 105	Dam, Ken		

MASSAGE

MASST 111 ANATOMY, PHYSIOLOGY, AND PATHOLOGY II

Explores endocrinology, cardiovascular, digestive, and respiratory systems. Prerequisite: Successful completion of MASST 110 "" Prerequisite(s): 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>	<u>Delivery</u>
1221	5 Cr	5:30PM-8:00PM	MW	07/01/19-07/24/19	08 108	Berhd-Morro		

MASST 116 COMPLEMENTARY MASSAGE MODALITIES I

Introduces the student to a variety of massage modalities that can be safely integrated into a massage practice. Modalities covered include fascial techniques, acupressure, seated massage and side-lying. Indications, contra-indications and treatment modifications will be identified. Prerequisite: Successful completion of MASST 114 and MASST 117. ""

Additional Fee: 73.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
1201	3 Cr	5:30PM-9:45PM	TTh	07/02/19-07/25/19	08 305	Priest, Jason		

MASST 130 KINESIOLOGY: TRUNK AND MODALITIES I

Continue the study of movement. Builds upon the principles and skills for locating and identifying bony landmarks and muscles of the trunk using palpation techniques, movement, and anatomical terminology. Prerequisite: Successful completion of MASST 126 "" Prerequisite(s): Successful completion of MASST 126.

Additional Fee: 36.40

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
1231	1 Cr	8:00PM-9:45PM	MW	07/29/19-08/28/19	08 305	Priest, Jason		

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>	<u>Delivery</u>
1211	2 Cr	5:30PM-9:45PM	TTh	07/30/19-08/29/19	08 305	Priest, Jason		

MASST 143 MASSAGE BUSINESS & ETHICS I

Introduces important business knowledge, skills, and professional ethics vital to the successful practice of massage therapy after licensure. Learn and follow professional ethics as related to massage and learn and practice universal safety precautions, utilize and understand common medical terms, research the different avenues of employment available, and begin the process of building a successful massage business. ""

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
1241	2 Cr	5:30PM-9:00PM	F	07/05/19-08/30/19	08 108	Priest, Jason		

MASST 150 CLINICAL MASSAGE THEORY: SPECIAL POPULATIONS

Explores how massage can be modified to safely and effectively treat individuals who have unique situations that could include physical, emotional, and health-related challenges. Indications and contraindications will be discussed as they apply to each population. To be taken concurrently with MASST 152. Prerequisite(s): Successful completion of Swedish Massage Practitioner program, completion of a similar program from another accredited institution, or current Washington state massage practitioner license.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
1251	4 Cr	9:00AM-11:30AM	TWThF	08/08/19-08/30/19	08 108	Meziere, Yvon	HYBRID	

MASST 152 CLINICAL MASSAGE PRACTICE: SPECIAL POPULATIONS

Students will practice techniques and positioning to adapt massage to safely and effectively treat individuals who have unique situations that could include physical, emotional, and health-related challenges. Indications and contraindications will be discussed as they apply to each population. To be taken concurrently with MASST 150. Prerequisite(s): Successful completion of Swedish Massage Practitioner program, completion of a similar program from another accredited institution, or current Washington state massage practitioner license.

Additional Fee: 109.40

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
1261	3 Cr	12:15PM-3:30PM	TWThF	08/08/19-08/30/19	08 LAB	Meziere, Yvon		

MASST 153 ASSESSMENT AND TREATED: UPPER EXTREMITY

Detailed and extensive review of the structure and function of the back. Students will explore common musculoskeletal and neurological pathologies that can affect the back, and how to safely and effectively assess and treat those conditions. Text required. Completion of MASST 115 and MASST 123, or currently a Washington State licensed massage practitioner. "

Additional Fee: 109.40

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
1271	2 Cr	9:00AM-3:30PM	TWThF	07/16/19-07/26/19	08 LAB	Meziere, Yvon		

MASST 155 ASSESSMENT AND TREATMENT: LOWER EXTREMITY

Detailed and extensive review of the structure and function of the lower extremity. Students will explore common musculoskeletal and neurological pathologies that can affect the lower extremity, and how to safely and effectively assess and treat those conditions. Prerequisite: Successful completion of MASST 115 and MASST 123, or currently a Washington State licensed massage practitioner.

Additional Fee: 109.40

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
1281	2 Cr	9:00AM-3:30PM	TWThF	07/30/19-08/07/19	08 LAB	Meziere, Yvon		

MASST 157 ASSESSMENT AND TREATMENT: HEAD AND NECK

Detailed and extensive review of the structure and function of the head and neck. Students will explore common musculoskeletal and neurological pathologies that can affect the head and neck and formulate a treatment plan to safely and effectively assess and treat those conditions. Prerequisite: Successful completion of MASST 115 and MASST 123, or currently a Washington State licensed massage practitioner. Allows the student to choose and pursue individual workplace experience opportunities. This opportunity may be in a supervised internship setting, on-site events, and/or practice in Clover Park Technical College's student-run massage clinic. Prerequisite: Successful completion of Swedish Massage Practitioner program, completion of a similar program from another accredited institution, or currently a Washington State licensed massage practitioner. "

Additional Fee: 109.40

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
1291	2 Cr	9:00AM-3:30PM	TWThF	07/02/19-07/12/19	08 LAB	Meziere, Yvon		

MASST 159 CLINICAL MASSAGE BUSINESS AND ETHICS II

Prepares the learner to communicate with insurance companies and leads the learner through the process of billing insurance companies for services from codes to filling out forms and follow-up. Prerequisite: Successful completion of MASST 139, or currently a Washington State licensed massage practitioner. "

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
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12A1 1 Cr 9:00AM-3:30PM Th 08/22/19-08/29/19 08 LAB Meziere, Yvon

MASST 160 PRACTICUM II

Allows the student to choose and pursue individual workplace experience opportunities. This opportunity may be in a supervised internship setting, on-site events, and/or practice in Clover Park Technical College's student-run massage clinic. Prerequisite: Successful completion of Swedish Massage Practitioner program, completion of a similar program from another accredited institution, or currently a Washington State licensed massage practitioner.

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>	<u>Delivery</u>
12B1	3 Cr	9:00AM-3:30PM	M	07/01/19-08/26/19	08 LAB	Meziere, Yvon		

MASST 163 CLINICAL ANATOMY & PHYSIOLOGY II

Continues the exploration of body systems with an emphasis on the common pathologies of those systems started in MASST 147. In addition to covering the cause and effect of those pathologies, the learner will also be presented with the common allopathic treatment(s) their clients may be receiving for those conditions. Pharmacology will include effects and side-effects of the medications, and how those relate to the indications and contraindications of massage. Prerequisite: Successful completion of MASST 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>	<u>Delivery</u>
12C1	3 Cr	9:00AM-12:00PM	W	07/03/19-08/28/19	08 108	Scott, Patric		

MATH

MAT 092 PRE-ALGEBRA

Covers basic operations with whole numbers, fractions, decimals, percentages, ratios and proportions, signed numbers, algebraic expressions, linear equations, order of operations, basic geometry, units of measurement, and introduction to statistics. FALL ITEM NUMBERS FOR SELF PACED MATH CLASSES ARE THE FOLLOWING: 5W16, 5W19, 5W22, 5W25, 5W28, 5W31, 5W34, 5W37, 5W40 AND 5W43. Students have the opportunity to complete anywhere between one (1) and three (3) developmental courses in one quarter (Math 092, Math 094, and Math 099). Prerequisite(s): Accuplacer arithmetic score of 230 or equivalent or higher.

Additional Fee: 24.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
5W05	5 Cr	9:10AM-10:05AM	DAILY	07/01/19-08/30/19	16 202	Sandoval, L	HYBRID	
5W06	5 Cr	ARRANGED	ARRANGED	07/01/19-08/30/19	ON LINE	Mollas, Tula	ONLINE	
5W07	5 Cr	11:30AM-12:25PM	MTW	07/01/19-08/28/19	16 116	Mollas, Tula	HYBRID	
5W12	5 Cr	8:00AM-8:55AM	DAILY	07/01/19-08/30/19	16 202	Sandoval, L	HYBRID	SELF-PACED
5W15	5 Cr	9:10AM-10:05AM	MTWTh	07/01/19-08/30/19	16 208	Schmeling, L	HYBRID	SELF-PACED
5W21	5 Cr	10:20AM-11:15AM	DAILY	07/01/19-08/30/19	16 202	Sandoval, L	HYBRID	SELF-PACED
5W24	5 Cr	12:40PM-1:35PM	DAILY	07/01/19-08/30/19	15 111	Parnell, Sam	HYBRID	SELF-PACED
5W18	5 Cr	9:10AM-10:05AM	TWTh	07/02/19-08/29/19	15 111	Parnell, Sam	HYBRID	SELF-PACED
5W27	5 Cr	4:10PM-6:40PM	TTh	07/02/19-08/29/19	15 111	Parnell, Sam	HYBRID	SELF-PACED
5W33	5 Cr	1:30PM-4:10PM	TTh	07/02/19-08/29/19	SHC107	Alexander, Di	HYBRID	SELF-PACED
5W30	5 Cr	9:00AM-2:30PM	Sa	07/06/19-08/24/19	15 111	Parnell, Sam	HYBRID	SELF-PACED

MAT 094 INTRODUCTION TO ALGEBRA

Develops algebraic topics, including algebraic expressions, solving linear equations and inequalities, coordinate graphing, systems of equations, polynomials, factoring, and introduction to rational expressions. Prerequisite(s): Accuplacer quantitative score of 230 or equivalent or successful completion of MAT 092 is required. FALL SELF-PACED MATH ITEM NUMBERS ARE THE FOLLOWING: 5W17,5W20,5W23,5W26, 5W29,5W32,5W35,5W38,5W41, AND 5W44. Once students have demonstrated mastery of a set of materials, they can move on to the next set of materials. Students have the opportunity to complete anywhere between one (1) and three (3) developmental courses in one quarter (Math 092, Math 094, and Math 099).

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>	<u>Delivery</u>
5W08	5 Cr	10:20AM-11:15AM	MTW	07/01/19-08/28/19	16 116	Mollas, Tula	HYBRID	
5W09	5 Cr	11:30AM-12:25PM	DAILY	07/01/19-08/30/19	16 202	Sandoval, L	HYBRID	
5W10	5 Cr	ARRANGED	ARRANGED	07/01/19-08/30/19	ON LINE	Sandoval, L	ONLINE	
5W13	5 Cr	8:00AM-8:55AM	DAILY	07/01/19-08/30/19	16 202	Sandoval, L	HYBRID	SELF-PACED
5W16	5 Cr	9:10AM-10:05AM	MTWTh	07/01/19-08/30/19	16 208	Schmeling, L	HYBRID	SELF-PACED
5W22	5 Cr	10:20AM-11:15AM	DAILY	07/01/19-08/30/19	16 202	Sandoval, L	HYBRID	SELF-PACED
5W25	5 Cr	12:40PM-1:35PM	DAILY	07/01/19-08/30/19	15 111	Parnell, Sam	HYBRID	SELF-PACED
5W19	5 Cr	9:10AM-10:05AM	TWTh	07/02/19-08/29/19	15 111	Parnell, Sam	HYBRID	SELF-PACED
5W28	5 Cr	4:10PM-6:40PM	TTh	07/02/19-08/29/19	15 111	Parnell, Sam	HYBRID	SELF-PACED
5W34	5 Cr	1:30PM-4:10PM	TTh	07/02/19-08/29/19	SHC107	Alexander, Di	HYBRID	SELF-PACED
5W31	5 Cr	9:00AM-2:30PM	Sa	07/06/19-08/24/19	15 111	Parnell, Sam	HYBRID	SELF-PACED

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 94 is required. FALL SELF-PACED MATH ITEM NUMBERS ARE THE FOLLOWING: 5W18,5W21,5W24,5W27, 5W30,5W33,5W36,5W39,5W42,5W45. Once students have demonstrated mastery of a set of materials, they can move on to the next set of materials. Students have the opportunity to complete anywhere between one (1) and three (3) developmental courses in one quarter (Math 092, Math 094, and Math 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>	<u>Delivery</u>
5W11	5 Cr	ARRANGED	ARRANGED	07/01/19-08/30/19	ON LINE	Schmeling, L	ONLINE	
5W14	5 Cr	8:00AM-8:55AM	DAILY	07/01/19-08/30/19	16 202	Sandoval, L	HYBRID	SELF-PACED
5W17	5 Cr	9:10AM-10:05AM	MTWTh	07/01/19-08/30/19	16 208	Schmeling, L	HYBRID	SELF-PACED
5W23	5 Cr	10:20AM-11:15AM	DAILY	07/01/19-08/30/19	16 202	Sandoval, L	HYBRID	SELF-PACED
5W26	5 Cr	12:40PM-1:35PM	DAILY	07/01/19-08/30/19	15 111	Parnell, Sam	HYBRID	SELF-PACED
5W20	5 Cr	9:10AM-10:05AM	TWTh	07/02/19-08/29/19	15 111	Parnell, Sam	HYBRID	SELF-PACED
5W29	5 Cr	4:10PM-6:40PM	TTh	07/02/19-08/29/19	15 111	Parnell, Sam	HYBRID	SELF-PACED
5W35	5 Cr	1:30PM-4:10PM	TTh	07/02/19-08/29/19	SHC107	Alexander, Di	HYBRID	SELF-

5W32 5 Cr 9:00AM-2:30PM Sa 07/06/19-08/24/19 15 111 Parnell, Sam HYBRID **PACED
SELF-
PACED**

MAT 103 BUSINESS MATHEMATICS

Develops elements of algebra applied to percentages, markup and markdown, discounts, payroll, and simple and compound interest. Scientific calculator required. Prerequisite(s): Accuplacer advanced algebra score of 233 or equivalent or successful completion of MAT 093 or MAT 094.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
0538	5 Cr	ARRANGED	ARRANGED	07/01/19-08/30/19	ON LINE	Schmeling, L	HYBRID	
0542	5 Cr	1:50PM-2:45PM	MTWTh	07/01/19-08/29/19	16 208	Schmeling, L	HYBRID	

MAT 105 MAT 105 MATH FOR INDUSTRIAL PROFESSIONS

Develops elements of algebra, geometry, metric measure, and trigonometry to calculate areas, volumes and angles for polygonal objects, objects with smooth curves, and composite objects, with applications to material strength tapers, pulleys, gears, screw threads and elementary engines. Scientific Calculator required. PREREQUISITE: Appropriate COMPASS score or successful completion of MAT 91 is required.

Additional Fee: 24.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
0543	5 Cr	1:00PM-1:50PM	MWF	07/01/19-08/30/19	14 208	Alexander, Di	HYBRID	

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>	<u>Delivery</u>
0544	5 Cr	ARRANGED	ARRANGED	07/01/19-08/30/19	ON LINE	Stultz, Dougl	ONLINE	
0545	5 Cr	12:00PM-1:00PM	DAILY	07/01/19-08/30/19	16 113	Stultz, Dougl	HYBRID	

MATH& 107 MATH IN SOCIETY

Exploration of mathematical concepts, with emphasis on observing closely, developing critical thinking, analyzing and synthesizing techniques, improving problem-solving skills, and applying concepts to new situations. Core topics are probability and statistics. Additional topics may be chosen from a variety of math areas useful in our society. Prerequisite(s): Appropriate Accuplacer advanced algebra score of 233 or equivalent or successful completion of MAT 099.

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>	<u>Delivery</u>
0540	5 Cr	11:30AM-12:25PM	MTWTh	07/01/19-08/29/19	15 111	Stultz, Dougl	HYBRID	

MATH& 141 PRECALCULUS I

Covers linear, quadratic, polynomial, rational, absolute value, exponential, logarithmic, and inverse functions and equations; composite functions, linear and quadratic inequalities, graphs of functions, relations, and inequalities; and graphic transformations. Introduces limits, linear and quadratic curve fitting, and mathematical modeling, including exponential growth and decay. Graphing calculator required. Prerequisite(s): Appropriate Accuplacer advanced algebra score of 233 or equivalent or successful completion of MAT 099.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
0546	5 Cr	ARRANGED	ARRANGED	07/01/19-08/30/19	ON LINE	Schmeling, L	ONLINE	

MATH& 146 INTRODUCTION TO STATISTICS

Descriptive and inferential statistics, including measures of central tendency, dispersion or variation, and skewness. Students are introduced to basic concepts in probability, as well as discrete and continuous probability distribution functions. Statistical inference includes sampling, elementary experimental design, and hypothesis testing using

normal, student's T, and F-distributions; linear regression and correlation; and the chi-square distribution. Graphing calculator is required. Prerequisite(s): Appropriate Accuplacer advanced algebra score of 263 or equivalent or successful completion of MAT 099 is required.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
0541	5 Cr	ARRANGED	ARRANGED	07/01/19-08/30/19	ON LINE	Alexander, Di	ONLINE	
0547	5 Cr	11:00AM-11:55AM	TWTh	07/02/19-08/29/19	16 113	Alexander, Di	HYBRID	

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. Co-requisite MEC 130.

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>	<u>Delivery</u>
MQ41	5 Cr	7:30AM-3:15PM	MTWTh	07/01/19-08/30/19	25 103	Wenngren, Car	HYBRID	

MEC 125 HYDRAULICS AND PNEUMATICS

Provides students with an understanding of design, installation, maintenance, and repair techniques for the hydraulic and pneumatic systems used in automated systems. Prerequisite(s): Successful completion of FSME 113 Co-requisite: MEC 150

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>	<u>Delivery</u>
MQ81	5 Cr	7:30AM-3:15PM	MTWTh	07/01/19-08/30/19	25 103	Sawatzki, Jas	HYBRID	

MEC 130 ELECTRIC MOTORES AND DRIVES

Gives a broad perspective of DC motors, AC motors (both single- and three-phase), and variable speed drives. Industrial applications of variable speed drives for constant torque, constant horsepower, and variable torque/variable horsepower are covered. Stepper Motors and Servo Motors are discussed, along with their advantages and applications. 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>	<u>Delivery</u>
MQ51	5 Cr	7:30AM-3:15PM	MTWTh	07/01/19-08/30/19	25 103	Sawatzki, Jas	HYBRID	

MEC 132 LEAN MANUFACTURING

This course offers students opportunities to deploy and apply lean principles, concepts and methods locally ' within a work cell, work group or value stream. The course focuses on workshop and project implementation of specific lean concepts and techniques, and the qualities and habits that characterize a culture of continuous quality improvement.

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>	<u>Delivery</u>
MQ61	5 Cr	7:30AM-3:15PM	MTWTh	07/01/19-08/30/19	25 103	Wenngren, Car	HYBRID	

MEC 150 MECHANICAL SYSTEMS

Develops an understanding of mechanical components used in typical mechatronic systems, such as positioning mechanisms, cranks and sliders, and belts and pulleys. Includes fabrication, test, and troubleshooting of prototype devices. Prerequisite(s): Successful completion of FSME 113. Co-requisite MEC 125.

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>	<u>Delivery</u>
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MQ91 5 Cr 7:30AM-3:15PM MTWTh 07/01/19-08/30/19 25 103 Wenngren, Car HYBRID

MEC 163 INDUSTRIAL SURVEY

This course is an exploration of current mechatronics applications in regional industry. Students will examine and analyze the implementation of various mechatronics improvements and process solutions through field tours, interviews with experts, and presentations by local industry professionals. Prerequisite(s): Successful completion of MEC125, MEC150, MEC115, MEC116, MEC160

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>	<u>Delivery</u>
MQ71	5 Cr	7:30AM-3:15PM	MTWTh	07/01/19-08/30/19	25 103	Sawatzki, Jas	HYBRID	

MEC 173 APPLIED MECHATRONICS

In this course students develop applied systems by integrating elements of the constituent fields of mechatronics: electrical, mechanical, communication, control, and computing processes and devices. Students revisit fundamental skills and apply them to multidisciplinary challenges in the lab. Projects may include construction and modification of equipment to increase the capacity of the mechatronics lab. Prerequisite(s): Successful completion of MEC125, MEC150, MEC115, MEC116, MEC160.

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>	<u>Delivery</u>
MQB1	5 Cr	7:30AM-3:15PM	MTWTh	07/01/19-08/30/19	25 103	Wenngren, Car	HYBRID	

MEC 200 PROGRAMMABLE CONTROLS II

Exercises students' 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>	<u>Delivery</u>
MQF1	5 Cr	7:30AM-3:15PM	MTWTh	07/01/19-08/30/19	25 103	Sawatzki, Jas	HYBRID	

MEC 210 METROLOGY AND CALIBRATION

Introduces students to basic concepts of metrology, including common technical terms, basic measurement concepts, electronics related to measurement instruments, and math used in calibration. Also teaches various techniques used to make good measurements using calibration equipment and the standards and requirements for implementation and maintenance of calibration and measurement equipment. Prerequisite(s): Instructor permission.

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>	<u>Delivery</u>
MQA1	5 Cr	7:30AM-3:15PM	MTWTh	07/01/19-08/30/19	25 103	Sawatzki, Jas	HYBRID	

MEC 289 INTERNSHIP/WORK EXPERIENCE

Provides students with practical on-the-job experience, and offers students a way to combine classroom study with related work experience under the supervision of an employer. Work experience must be related to the student's educational and career objectives in the field of mechatronics. Includes a weekly seminar component. Students must submit, at or before registration, a description of the proposed internship, signed by the employer, the instructor, and the student. Prerequisite(s): Instructor permission.

Instructor Permission required.

Additional Fee: 34.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
MQD1	5 Cr	ARRANGED	ARRANGED	07/01/19-08/30/19	25 103	Wenngren, Car	HYBRID	

MEC 290 MECHATRONICS CAPSTONE PROJECT

A required capstone project to be completed prior to graduation as a final check of competency. Students meet in person with an instructor and agree to a project that will apply the skills and competencies that students have

acquired in the program, and that will result in a portfolio piece showcasing their abilities. Students must submit, at or before registration, a description and timetable for completion, signed by both the instructor supervising the capstone project and the student. This course is to be taken the final quarter of the program. Prerequisite(s): Instructor permission.

Instructor Permission required.

Additional Fee: 44.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
MQC1	5 Cr	ARRANGED		ARRANGED 07/01/19-08/30/19	25 103	Wenngren, Car	HYBRID	

MEDICAL ASSISTANT

MAP 108 INTRODUCTION TO MEDICAL ASSISTING

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>	<u>Delivery</u>
3801	4 Cr	11:00AM-3:00PM	TTh	07/16/19-08/27/19	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, vision exams, audiometry testing, peak flow meters and small volume nebulizers, and performing ECG's, as well as phlebotomy skills. Prerequisite(s): Completion of the course's listed MAP 121 and MAP 124. Co-requisites: MAP 147.

Additional Fee: 28.35

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
38C1	4 Cr	4:00PM-8:00PM	TTh	07/02/19-08/29/19	21 111	Yarbough, Kis	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): Completion of the course's listed MAP 121 and MAP 124. Co-requisites: MAP 146.

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>	<u>Delivery</u>
38B1	4 Cr	4:00PM-8:00PM	MW	07/01/19-08/28/19	21 111	Yarbough, Kis	HYBRID	

MAP 164 BODY SYSTEMS APPLICATIONS 103

Practice fundamental skills relating to Body Systems Theory 103. Skills include wound and burn care; assisting with application and removal of sutures, surgical staples and casting; asepsis and infection control; identifying surgical instruments and proper care of instruments; assisting with minor office surgery; and operating the autoclave. Also includes activities related to safety and emergency practices. Prerequisite(s): Successful completion of MAP 146 and MAP 147. Co-requisites: MAP 166 and MAP 209.

Additional Fee: 28.35

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
3871	4 Cr	9:30AM-1:00PM	WF	07/03/19-08/30/19	21 122	Gowan, Amy	HYBRID	

MAP 166 BODY SYSTEMS THEORY 103

Caring for patients with disorders associated with dermatology, orthopedic medicine, and surgical asepsis, as well as learning procedures and safety and emergency practices. Instruction will include anatomy and physiology, pathophysiology, pharmacology, and terminology. Prerequisite(s): Successful completion of MAP 147 and MAP 146. Co-requisites: MAP 164 and MAP 209.

Additional Fee: 19.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
3861	4 Cr	9:30AM-1:30PM	TTh	07/02/19-08/30/19	21 111	Gowan, Amy	HYBRID	

MAP 171 AUTOMATED COMPUTER APPLICATIONS

Practice fundamental skills relating to ICD-10 and CPT coding using computers. Includes computerized patient scheduling and procedures for accounts receivable management for both private patients and insurance companies. Prerequisite(s): Completion of the course's listed 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>	<u>Delivery</u>
38A1	4 Cr	6:30PM-10:00PM	DAILY	08/05/19-08/30/19	21 104	Yarbough, Kis	HYBRID	

MAP 173 ACCOUNTING PRACTICES

Covers basics of accounting and bookkeeping. Includes expanded discussion on manual procedures for accounts receivable management for both private patients and insurance companies. Prerequisite(s): MAT 092 or higher. Completion of MAP 171 and MAP 179. Co-requisites: MAP 177 and MAP 209.

Additional Fee: 19.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
3841	4 Cr	1:30PM-4:30PM	TWThF	07/02/19-08/02/19	21 111	Gowan, Amy	HYBRID	

MAP 177 FINANCIAL PRACTICES

Continues developing skills from Accounting Practices course. Instruction also includes bank accounts, cash funds, and methods of preparation for employee and employer payroll and business taxes. Prerequisite(s): MAT 092 or higher. Successful completion of MAP 171 and MAP 179. Co-requisites: MAP 173 and MAP 209.

Additional Fee: 9.80

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
3851	2 Cr	1:30PM-4:00PM	TWThF	08/06/19-08/30/19	21 111	Gowan, Amy	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. Included are patient scheduling and procedures for accounts receivable management for both private patients and insurance companies. Prerequisite(s): Completion of the course's listed MAP 182 and MAP 184. Co-requisites: MAP 171.

Additional Fee: 123.40

<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>	<u>Delivery</u>
3891	5 Cr	6:45PM-10:00PM	DAILY	07/01/19-08/02/19	21 111	Yarbough, Kis	HYBRID	

MAP 209 EXTERNSHIP PREPARATION I

Introduction of pharmacology math (with estimation components), administering oral and parental (intramuscular, subcutaneous, and intradermal) medications, performance of phlebotomy and microbiology while adhering to medical/surgical asepsis and universal/standard precautions. Also included are student demonstrations of patient flow and uploading immunizations into the college designated database. Prerequisite(s): Successful completion of MAP's 121, 124, 147, 146, 179, 171, 182, and 184. This course must be taken the quarter immediately prior to Quarter 5 courses. If more than one quarter passes before beginning Quarter 5, students will have to repeat this course. Co-requisites: MAP's 164, 166, 173, and 177.

Additional Fee: 14.70

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
3881	3 Cr	9:30AM-5:00PM	M	07/01/19-08/26/19	21 122	Gowan, Amy	HYBRID	

MAP 212 EXTERNSHIP PREPARATION 2

Demonstrate competencies of skills acquired throughout the Medical Assistant Program. Each student will perform and must pass the following skills at a mastery level while adhering to standard precautions: medical/surgical asepsis, blood pressures, patient workups, growth charting, phlebotomy skills, urinalysis, hematocrit, blood glucose check, audio and visual exam, electrocardiogram, telephone techniques and appointment scheduling used within

the medical office, computerized accounts payable/receivable, the electronic record, and chart management. Instruction will include caring for pediatric patients and geriatric patients. Prerequisite(s): Successful completion of MAP 164, MAP 166, MAP 173, MAP 177, and MAP 209. Successful completion of general education courses and compliance with the MAP immunization policy and personal health insurance policy. Co-requisites: MAP's 215 & 222.

Additional Fee: 43.05

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
3811	3 Cr	8:00AM-3:00PM	DAILY	07/01/19-07/12/19	21 122	Jones, Michel	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>	<u>Delivery</u>
3821	8 Cr	ARRANGED	DAILY	07/15/19-08/23/19	ARR	Jones, Michel	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>	<u>Delivery</u>
3831	1 Cr	9:00AM-2:00PM	DAILY	08/26/19-08/29/19	21 122	Jones, Michel	HYBRID	

MEDICAL HISTOLOGY

HISTO 150 HISTOLOGY INTERNSHIP

Covers the clinical phase of working in an affiliated histology laboratory. Students are directly supervised by the staff of the affiliated laboratory. A report of 'No Record on File Regarding Crimes Against Persons from the Washington State Patrol is required for participation in this class. ' Prerequisite(s): Successful completion of HISTO 135, HISTO 140 and HISTO 145.

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>	<u>Delivery</u>
5601	10 Cr	ARRANGED	DAILY	07/01/19-08/30/19	21	Haggerty, Reb		

HISTO 160 HISTOLOGY SEMINAR

Covers what students have learned while working in an affiliated histology laboratory. Students will also review for their certification exam. ' Co-requisites: HISTO 150.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
5611	5 Cr	ARRANGED	ARRANGED	07/01/19-08/30/19	ON LINE	Haggerty, Reb	ONLINE	

MEDICAL LABORATORY TECHNICIAN

MLT 215 IMMUNOHEMATOLOGY

MLT 215 IMMUNOHEMATOLOGY 5CR Applies the principles of antigens and antibodies covered in MLT 211 to red blood cell antigens and antibodies, with emphasis on blood banking procedures, and culminating in performance of

pre-transfusion cross matching. This course is offered summer quarter. Prerequisite(s): Successful completion of MLT 211 and MLT 217.

Additional Fee: 53.95

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
4811	5 Cr	8:30AM-3:30PM	DAILY	08/16/19-08/30/19	21 222	Colon Gabrie	HYBRID	

MLT 217 MICROBIOLOGY

This course begins with an introduction to bacterial growth, culture requirements, sterilization procedures, and biochemical activity. This introductory material is followed by detailed study of the gram positive cocci, the gram negative cocci, the enterobacteriaceae, and the non-fermentative gram negative bacilli. Particular attention is paid to human pathogenic versus normal flora organisms depending on body site. Identification by classical and packaged systems is followed by susceptibility studies. Brief presentations on anaerobes, parasitology, and mycology conclude the course. This course is offered summer quarter. Prerequisite(s): Successful completion of MLT 228.

Additional Fee: 78.45

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
4821	10 Cr	8:30AM-3:30PM	DAILY	07/18/19-08/15/19	21 222	Colon Gabrie	HYBRID	

MLT 218 URINALYSIS

Perform routine urine analysis, both macroscopic and microscopic, with attention to abnormal results and their possible cause. An overview of the anatomy and physiology of the excretory system and the normal and abnormal constituents of urine accompany laboratory practice. This course is presented fall quarter. Prerequisite(s): Successful completion of MLT 217.

Additional Fee: 44.15

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
4801	3 Cr	8:30AM-3:30PM	DAILY	07/01/19-07/10/19	21 222	Colon Gabrie	HYBRID	

MLT 222 BODY FLUIDS

Introduces the production, collection, and analyses of various body fluids, including cerebrospinal and synovial fluids. This course is offered on Wednesday afternoons during the fall quarter clinical phase. Prerequisite(s): Successful completion of MLT 205 and MLT 218.

Additional Fee: 39.25

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
4831	2 Cr	8:30AM-3:30PM	DAILY	07/11/19-07/17/19	21 222	Colon Gabrie	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: 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>	<u>Delivery</u>
09F1	5 Cr	8:00AM-12:30PM	DAILY	07/01/19-08/30/19	SHC115	Gilmore, Mich	HYBRID	

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: 64.60

<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>	<u>Delivery</u>
09G1	4 Cr	8:00AM-12:30PM	DAILY	07/01/19-08/30/19	SHC115	Gilmore, Mich	HYBRID	

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: 59.70

<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>	<u>Delivery</u>
09H1	3 Cr	8:00AM-12:30PM	DAILY	07/01/19-08/30/19	SHC115	Gilmore, Mich	HYBRID	

NDT 140 EDDY CURRENT I

Covers the theory of the production of eddy currents, including electrical concepts. The calibration and operation of eddy current machines will be covered, along with the applications of eddy current testing.

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>	<u>Delivery</u>
09J1	5 Cr	8:00AM-12:30PM	DAILY	07/01/19-08/30/19	SHC114	Musson, Chuck	HYBRID	

NDT 170 EDDY CURRENT TESTING II

Learn advanced theory and application as it relates to depth of penetration, characteristic frequency, and flaw characteristics. Lab exercises prove and reinforce these advanced theories.

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>	<u>Delivery</u>
09K1	5 Cr	8:00AM-12:30PM	DAILY	07/01/19-08/30/19	SHC114	Musson, Chuck	HYBRID	

NDT 210 EDDY CURRENT TESTING III

Presents the student with advanced eddy current inspection techniques. Advanced applications will include multi-frequency inspection, nuclear tubing inspection, and many aircraft inspection techniques.

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>	<u>Delivery</u>
09L1	5 Cr	8:00AM-12:30PM	DAILY	07/01/19-08/30/19	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: 59.70

<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>	<u>Delivery</u>
09M1	3 Cr	ARRANGED	DAILY	07/01/19-08/30/19	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.

Additional Fee: 98.90

<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>	<u>Delivery</u>
09P1	Var	8:00AM-12:30PM	DAILY	07/01/19-08/31/19	SHC114	Musson, Chuck	HYBRID	

NDT 255 NDT SPECIAL PROJECTS

Strengthen technical skills in NDT topics by applying knowledge to projects of personal interest and/or assigned. Prerequisite: Advanced standing with Instructor's permission.

Additional Fee: 59.70

<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>	<u>Delivery</u>
09N1	Var	8:00AM-12:30PM	DAILY	07/01/19-08/30/19	SHC114	Musson, Chuck	HYBRID	

NURSING ASSISTANT

NAC 108 NURSING ASSISTANT THEORY

The Nursing Assistant Certified program prepares students to take the state examination for nursing assistant certification licensure. All three courses in the program must be successfully completed for students to be eligible to take the state examination. This course provides an introduction to the role and responsibilities of being a nursing assistant and meets the theory requirements for Washington State Nursing Assistant training. Prerequisite(s): Ability to lift up to 50 pounds.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
NS01	5 Cr	8:00AM-2:30PM	DAILY	07/01/19-07/19/19	21 211	Sword, Yvette		
NST1	5 Cr	5:00PM-9:00PM	MTWTh	07/01/19-08/30/19	21 210	Mensonides, S		

NAC 111 NURSING SKILL FUNDAMENTALS

This course covers instruction and practice of nursing assistant skills. Students will not be allowed to participate in the final skills exam unless attendance for all clinical hours has been fulfilled. Prerequisite(s): Documentation of required immunizations, ability to lift up to 50 pounds, and 'No Record On File' from the Washington State Patrol and DSHS. Successful completion of NAC 108.

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>	<u>Delivery</u>
NSF1	2 Cr	5:00PM-9:00PM	MTWTh	07/01/19-08/30/19	21 210	Mensonides, S		
NS11	2 Cr	ARRANGED	ARRANGED	07/22/19-08/30/19	21 137	Sword, Yvette		
NS21	2 Cr	ARRANGED	ARRANGED	07/22/19-08/30/19	21 137	Sword, Yvette		

NAC 114 UNIT BASED CLINICAL EXPERIENCE

This course includes clinical experience in a long-term facility under the supervision of an instructor. Prerequisite(s): Documentations of required immunizations, ability to lift up to 50 pounds. Students must have 'No Record On File' related to crimes against children or vulnerable adults from the Washington State Patrol and DSHS. Successful completion of NAC 111.

Additional Fee: 14.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
NS31	2 Cr	ARRANGED	ARRANGED	07/01/19-08/30/19	ARR	Sword, Yvette		
NSC1	2 Cr	ARRANGED	ARRANGED	07/01/19-08/30/19	ARRARR	Mensonides, S		

NURSING ASSISTANT I-BEST

NAC 108 NURSING ASSISTANT THEORY

The Nursing Assistant Certified program prepares students to take the state examination for nursing assistant certification licensure. All three courses in the program must be successfully completed for students to be eligible to take the state examination. This course provides an introduction to the role and responsibilities of being a nursing assistant and meets the theory requirements for Washington State Nursing Assistant training. Prerequisite(s): Ability to lift up to 50 pounds.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
NS01	5 Cr	8:00AM-2:30PM	DAILY	07/01/19-07/19/19	21 211	Sword, Yvette		
NST1	5 Cr	5:00PM-9:00PM	MTWTh	07/01/19-08/30/19	21 210	Mensonides, S		

NAC 111 NURSING SKILL FUNDAMENTALS

This course covers instruction and practice of nursing assistant skills. Students will not be allowed to participate in the final skills exam unless attendance for all clinical hours has been fulfilled. Prerequisite(s): Documentation of required immunizations, ability to lift up to 50 pounds, and 'No Record On File' from the Washington State Patrol and DSHS. Successful completion of NAC 108.

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>	<u>Delivery</u>
NSF1	2 Cr	5:00PM-9:00PM	MTWTh	07/01/19-08/30/19	21 210	Mensonides, S		
NS11	2 Cr	ARRANGED	ARRANGED	07/22/19-08/30/19	21 137	Sword, Yvette		
NS21	2 Cr	ARRANGED	ARRANGED	07/22/19-08/30/19	21 137	Sword, Yvette		

NAC 114 UNIT BASED CLINICAL EXPERIENCE

This course includes clinical experience in a long-term facility under the supervision of an instructor. Prerequisite(s): Documentations of required immunizations, ability to lift up to 50 pounds. Students must have 'No Record On File' related to crimes against children or vulnerable adults from the Washington State Patrol and DSHS. Successful completion of NAC 111.

Additional Fee: 14.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
NS31	2 Cr	ARRANGED	ARRANGED	07/01/19-08/30/19	ARR	Sword, Yvette		
NSC1	2 Cr	ARRANGED	ARRANGED	07/01/19-08/30/19	ARRARR	Mensonides, S		

NURSING PRACTICAL-NURSING

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.

Additional Fee: 16.35

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
8001	3 Cr	8:00AM-11:30AM	T	07/01/19-08/30/19	21 214	Dadashova, Ir	HYBRID	

NURS 133 MEDICAL-SURGICAL NURSING III

Focuses on the use of the nursing process in care of clients with selected health disturbances. Emphasis is given to psychological, sociocultural, and developmental factors. Pharmacologic and nutritional considerations and client teaching are integrated. Prerequisite(s): Successful completion of NURS 125, NURS 126, NURS 130, and NURS 131.

Additional Fee: 16.35

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
8011	4 Cr	7:30AM-12:00PM	M	07/01/19-08/30/19	21 210	Dadashova, Ir	HYBRID	

NURS 134 PHARMACOLOGY IN NURSING

Explores the health care system and the profession of nursing, with emphasis on care with a diverse population of clients. Introduces the beginning practical nurse student to essential nursing concepts, such as therapeutic communication, infection control, patient safety, patient education, evidence-based practice, scope of practice, legal and ethical issues, principles of caring, promotion of comfort, and the nursing process. Prerequisite(s): Admission to Practical Nursing program.

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>	<u>Delivery</u>
8021	5 Cr	8:00AM-2:00PM	M	07/01/19-08/30/19	21 214	Ovechka, Soph	HYBRID	

NURS 137 NURSING CLINICAL SKILLS & DATA COLLECTION II

Explores the health care system and the profession of nursing, with emphasis on care with a diverse population of clients. Introduces the beginning practical nurse student to essential nursing concepts, such as therapeutic communication, infection control, patient safety, patient education, evidence-based practice, scope of practice, legal and ethical issues, principles of caring, promotion of comfort, and the nursing process. Prerequisite(s): Admission to Practical Nursing program.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
8031	5 Cr	12:00PM-1:30PM	T	07/01/19-08/30/19	21 130	Hernandez, Ka	HYBRID	

NURS 140 MATERNITY & PEDIATRIC NURSING

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>	<u>Delivery</u>
8061	3 Cr	12:30PM-4:00PM	M	07/01/19-08/30/19	21 210	Ovechka, Soph	HYBRID	

NURS 145 MEDICAL-SURGICAL NURSING IV

Using a physiological systems approach, this class focuses on implementation of the nursing process in care of a diverse population of clients with health disturbances. Prerequisite(s): Successful completion of NURS 128, NURS 133, NURS 149, and NURS 153.

Additional Fee: 16.35

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
8071	4 Cr	12:30PM-5:00PM	M	07/01/19-08/30/19	21 108	Dadashova, Ir	HYBRID	

NURS 149 CLINICAL PRACTICUM I

Provides an opportunity for students to provide care to clients in long-term care, acute, and community settings. Experience involves direct client care, nursing procedures, and administration of medications to diverse clients of every stage of life. Focuses on safe nursing practice, nursing process, communication, documentation, and client teaching. Prerequisite(s): Successful completion of NURS 125, NURS 126, NURS 130, and NURS 131.

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>	<u>Delivery</u>
8041	5 Cr	ARRANGED	ARRANGED	07/01/19-08/30/19	ARR	Greer, Hana	HYBRID	

NURS 153 CLINICAL PRACTICUM II

Provides an opportunity for students to provide care to clients in long-term care, acute, and community settings. Experience involves direct client care, nursing procedures, and administration of medications to diverse clients of every stage of life. Focuses on safe nursing practice, nursing process, communication, documentation, and client teaching. Prerequisite(s): Successful completion of NURS 125, NURS 126, NURS 130, and NURS 131.

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>	<u>Delivery</u>
8051	5 Cr	ARRANGED	ARRANGED	07/01/19-08/30/19	ARR	Greer, Hana	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.

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>	<u>Delivery</u>
8081	2 Cr	8:00AM-11:00AM	M	07/01/19-08/30/19	21 108	Rose-Bungay	HYBRID	

NURS 161 CLINICAL PRACTICUM III

Provides an opportunity for students to provide care to clients in long-term care and acute and community settings. Experience involves direct client care, nursing procedures, and administration of medication to diverse clients of

every stage of life. Focus is on safe nursing practices, nursing process, communication, and practice in providing complete care for two or more clients. Prerequisite(s): Successful completion of NURS 133, NURS 149 and NURS 153.

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>	<u>Delivery</u>
8091	4 Cr	ARRANGED		ARRANGED 07/01/19-08/30/19	ARR	Dadashova, Ir	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.

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>	<u>Delivery</u>
80A1	4 Cr	ARRANGED		ARRANGED 07/01/19-08/30/19	ARR	Rose-Bungay	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>	<u>Delivery</u>
0525	5 Cr	12:00PM-2:30PM	F	07/05/19-08/30/19	21 107	Scott, Patric	HYBRID	
0550	5 Cr	3:00PM-5:30PM	F	07/05/19-08/30/19	21 107	Scott, Patric	HYBRID	

OPERATIONS MANAGEMENT

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: 152.50

<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>	<u>Delivery</u>
3501	7 Cr	6:00AM-2:30PM	TWThF	07/02/19-08/30/19	23 313	Newman, Shell		

BAKE 113 CAKES I FILLINGS AND ICINGS

Introduces students to mixing methods, their ingredients and their function in cake baking. Correct scaling, portioning, baking, and determining doneness of assorted cakes. Fillings and icings will be introduced in the presentation of basic cakes.

Instructor Permission required.

Additional Fee: 137.80

<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>	<u>Delivery</u>
3521	4 Cr	8:00AM-12:00PM	TTh	07/02/19-08/29/19	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: 152.50

<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>	<u>Delivery</u>
3511	7 Cr	6:00AM-2:30PM	TWThF	07/02/19-08/30/19	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: 152.50

<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>	<u>Delivery</u>
3531	7 Cr	6:00AM-2:30PM	TWThF	07/02/19-08/30/19	23 313	Newman, Shell		

BAKE 131 PIES, TARTS, CUSTARDS AND FILLINGS

Introduces students to a variety of pie crusts and the preparation of assorted fruit fillings. Tarts, custards, and pastry cream will also be explored. Instructor permission required.

Instructor Permission required.

Additional Fee: 137.80

<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>	<u>Delivery</u>
3541	4 Cr	10:00AM-2:00PM	WF	07/03/19-08/30/19	23 313	Newman, Shell		

BAKE 134 QUICK BREADS, COOKIES, BROWNIES

Introduces students to the ingredients and function in preparation of quick breads and cookies. Students will explore the assorted doughs, shapes, and baking and finishing methods. Instructor permission required.

Instructor Permission required.

Additional Fee: 132.90

<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>	<u>Delivery</u>
3551	3 Cr	8:00AM-10:00AM	TWTh	07/02/19-08/29/19	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: 152.50

<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>	<u>Delivery</u>
3571	7 Cr	9:00AM-1:45PM	WThF	07/02/19-08/30/19	23 BSTR	Newman, Shell		

PHARMACY TECHNICIAN

PT 120 PHARMACOLOGY PART I

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>	<u>Delivery</u>
2761	5 Cr	1:00PM-3:00PM	T	07/02/19-08/27/19	21 226	Autry, Trisha	HYBRID	

PT 121 INTRODUCTION TO PHARMACY & PHARMACY LAW

Orients students to the work of pharmacy technicians and the context in which technicians' work is performed. Covers the study of pharmacy law, as it pertains to the practice of pharmacy in the state of Washington compared to the United States as a whole. Prerequisite(s): High school diploma or high school equivalency diploma. Computer literacy. Ability to speak, read, and write the English language. Successful completion of a college-level math course within the last five years (unless you have a bachelor's degree). Successful completion of a 5-credit Medical Terminology course. Successful completion of CAH 105 Computer Applications. All courses must be completed with a 'B' or above.

Additional Fee: 98.90

<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>	<u>Delivery</u>
2741	5 Cr	1:00PM-1:30PM	M	07/01/19-08/26/19	21 226	Lalli, Jillia	HYBRID	

PT 126 COMMUNITY PRACTICE

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>	<u>Delivery</u>
2751	4 Cr	1:30PM-3:00PM	M	07/01/19-08/26/19	21 226	Lalli, Jillia	HYBRID	

PT 132 PHARMACOLOGY WITH DRUG NAMES PART II

This course will continue the exploration of the top 200 commonly prescribed drugs in the United States. The drug action mechanisms, route of administration, and the effects on the body systems will be explored. Emphasis is placed on the uses, effects, and side effects of the major drug classes. Prerequisite(s): Successful completion of PT 121, PT 123, PT 125, and PT 127, with grades of 'B' or above in all courses.

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>	<u>Delivery</u>
2701	6 Cr	10:00AM-11:00AM	M	07/01/19-08/26/19	21 226	Autry, Trisha	HYBRID	

PT 135 HOSPITAL PRACTICE WITH STERILE PROCESSING

This course will introduce the differences between hospital practice and community pharmacy practice. Students will learn of inpatient drug distribution systems, unit dose systems, formularies, and specialized services, including sterile compounding. This course also includes infection control, inventory management, and medication orders. Prerequisite(s): Successful completion of PT 121, PT 123, PT 125, and PT 127, with grades of 'B' or above in all courses.

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>	<u>Delivery</u>
2711	6 Cr	10:00AM-12:00PM	T	07/02/19-08/27/19	21 226	Autry, Trisha	HYBRID	

PT 148 CLINICAL CAPSTONE RESEARCH

This course explores professionalism, clinical readiness, and the Pharmacy Technician Certification Exam. Prerequisite(s): Successful completion of PT 121, PT 123, PT 125, and PT 127, 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>	<u>Delivery</u>
2721	4 Cr	11:00AM-12:00PM	M	07/01/19-08/26/19	21 226	Autry, Trisha	HYBRID	

PT 154 PHARMACY LAB #2

Students will apply techniques learned to prepare sterile compounding products. Emphasis will be on aseptic technique and USP 797 and USP 800 guidelines. Students will learn how to use inpatient drug distribution systems, unit dose systems, and bubble packing. Prerequisite(s): Successful completion of PT 121, PT 123, PT 125, and PT 127, with grades of 'B' or above in all courses.

Additional Fee: 100.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
2731	2 Cr	10:00AM-2:30PM	WTh	07/03/19-08/28/19	21 226	Lalli, Jillia	ENHANCED	

PHILOSOPHY

POLITICAL SCIENCE

POLS& 202 AMERICAN GOVERNMENT

A survey of the structure and process of American politics and government, including the structure and function of the executive, legislative, and judicial branches, and the American political party system. Special emphasis is placed on the relationship between political culture, thought, institutions, and the debate over public policy.

Prerequisite: ENGL 94 or appropriate placement.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
0527	5 Cr	ARRANGED	ARRANGED	07/01/19-08/30/19	ON LINE	Harrington, J	ONLINE	
0528	5 Cr	8:00AM-8:55AM	TTh	07/02/19-08/29/19	SHC115	Harrington, J	HYBRID	

PROFESSIONAL PILOT

AVP 105 PRIVATE PILOT I

Training in basic aircraft control, aircraft systems, airport procedures, and traffic pattern operations. Prerequisite(s): FAA Class II Medical with Student Pilot Certificate prior to the first day of class. Instructor permission only.

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>	<u>Delivery</u>
5101	4 Cr	12:00PM-3:00PM	DAILY	07/01/19-08/30/19	SHC105	Collins, Mars	ENHANCED	

AVP 110 PRIVATE PILOT II

Covers aircraft control, establishing and maintaining specific flight attitudes, and ground reference maneuvers. Prerequisite(s): Successful completion of AVP 105 or equivalent. Instructor permission only.

Instructor Permission required.

Additional Fee: 19.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
5111	4 Cr	12:00PM-3:00PM	DAILY	07/01/19-08/30/19	SHC105	Collins, Mars	ENHANCED	

5171 4 Cr 12:00PM-3:00PM DAILY 07/01/19-08/30/19 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>	<u>Delivery</u>
5181	4 Cr	8:00AM-11:00AM	DAILY	07/01/19-08/30/19	SHC105	Collins, Mars	ENHANCED	

AVP 145 INSTRUMENT PILOT II

AVP 145 INSTRUMENT PILOT II 4CR Perform precision attitude instrument flight, including advanced navigation techniques and procedures. Prerequisite(s): Successful completion of AVP 140 or equivalent. Instructor permission only.

Instructor Permission required.

Additional Fee: 19.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
5191	4 Cr	8:00AM-11:00AM	DAILY	07/01/19-08/30/19	SHC105	Collins, Mars	ENHANCED	

AVP 150 INSTRUMENT PILOT III

Apply advanced navigation techniques and perform holding pattern entry procedures. Prerequisite(s): Successful completion of AVP 145 or equivalent. Instructor permission only.

Instructor Permission required.

Additional Fee: 19.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
51A1	4 Cr	8:00AM-11:00AM	DAILY	07/01/19-08/30/19	SHC105	Collins, Mars	ENHANCED	

AVP 152 INSTRUMENT PILOT PRACTICE III

Receive additional flight and ground training as required to meet pilot certification requirements. Prerequisite(s): Instructor permission only.

Instructor Permission required.

Additional Fee: 19.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
51B1	4 Cr	8:00AM-11:00AM	DAILY	07/01/19-08/30/19	SHC105	Collins, Mars	ENHANCED	

AVP 155 INSTRUMENT PILOT IV

Perform holding patterns and instrument approach procedures. Prerequisite(s): Grade of 'C' or better in AVP 150 or equivalent. Instructor permission only.

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>	<u>Delivery</u>
51C1	4 Cr	8:00AM-11:00AM	DAILY	07/01/19-08/30/19	SHC105	Collins, Mars	ENHANCED	

AVP 160 INSTRUMENT PILOT V

Perform cross-country flight using advanced navigation procedures. Use ATC communication procedures and conduct instrument departures, arrivals, and approaches. Prerequisite(s): Successful completion of AVP 155 or equivalent. Instructor permission only.

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>	<u>Delivery</u>
51D1	4 Cr	8:00AM-11:00AM	DAILY	07/01/19-08/30/19	SHC105	Collins, Mars	ENHANCED	

AVP 170 INSTRUMENT PILOT VI

Acquire the flight and aeronautical knowledge proficiency required for the issuance of the FAA Instrument-Airplane Rating. Prerequisite(s): Successful completion of AVP 160 or equivalent. Instructor permission only.

Instructor Permission required.

Additional Fee: 19.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
51F1	4 Cr	8:00AM-11:00AM	DAILY	07/01/19-08/30/19	SHC105	Collins, Mars	ENHANCED	

AVP 172 INSTRUMENT PILOT PRACTICAL STANDARDS IV

Receive additional flight and ground training as required to meet pilot certification requirements. Prerequisite(s): Instructor permission only.

Instructor Permission required.

Additional Fee: 19.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
51G1	4 Cr	8:00AM-11:00AM	DAILY	07/01/19-08/30/19	SHC105	Collins, Mars	ENHANCED	

AVP 175 COMMERCIAL PILOT I

Acquire initial VFR cross-country flight training. Pilotage, dead-reckoning, and radio navigation will be covered. Prerequisite(s): FAA Private Pilot Certificate, Instrument-Airplane Rating. Instructor permission only.

Instructor Permission required.

Additional Fee: 19.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
51H1	4 Cr	8:00AM-11:00AM	DAILY	07/01/19-08/30/19	SHC105	Collins, Mars	ENHANCED	

AVP 180 COMMERCIAL PILOT II

Receive additional VFR cross-country flight training. Additional flight training will encompass mountain flying techniques and local night flight operations. Prerequisite(s): Successful completion of AVP 175 or equivalent. Instructor permission only.

Instructor Permission required.

Additional Fee: 19.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
51J1	4 Cr	8:00AM-11:00AM	DAILY	07/01/19-08/30/19	SHC105	Collins, Mars	ENHANCED	

AVP 185 COMMERCIAL PILOT III

Receive final training in VFR cross-country flight and night operations. The cross-country flight hours required for Commercial Pilot Certification will be completed. Prerequisite(s): Successful completion of AVP 180 or equivalent. Instructor permission only.

Instructor Permission required.

Additional Fee: 19.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
51K1	4 Cr	8:00AM-11:00AM	DAILY	07/01/19-08/30/19	SHC105	Collins, Mars	ENHANCED	

AVP 190 AIRLINE MULTI-ENGINE CRM I

Update your knowledge and skills in multi-engine and advanced avionics operations, systems, performance, instrument, and airline crew operations. Operate a multi-engine aircraft as a crew and log no less than 10 hours of multi-engine Pilot in Command time. Prerequisite(s): Must be at least 18 years of age and be able to read, speak, write, and understand the English language. Must comply with FAA licensing standards and possess an FAA Commercial multi-engine Certificate. Second-class FAA medical certificate required prior to the first day of class. Please contact instructor for details. Must have instructor permission.

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>	<u>Delivery</u>
51AA	3 Cr	ARRANGED	DAILY	07/01/19-08/30/19	SHC105	Collins, Mars	ENHANCED	

AVP 195 AIRLINE MULTI-ENGINE CRM II

Update your knowledge and skills in multi-engine and advanced avionics operations, systems, performance, instrument, and airline crew operations. Operate a multi-engine aircraft as a crew and log no less than 20 hours of multi-engine Pilot in Command time. Prerequisite(s): Must be at least 18 years of age and be able to read, speak, write, and understand the English language. Must comply with FAA licensing standards and possess an FAA Commercial multi-engine Certificate. Second-class FAA medical certificate required prior to the first day of class. Please contact instructor for details. Must have instructor permission.

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>	<u>Delivery</u>
51AB	3 Cr	ARRANGED	ARRANGED	07/01/19-08/30/19	SHC105	Collins, Mars	ENHANCED	

AVP 210 COMMERCIAL PILOT IV

Receive initial flight and ground training in high-performance Commercial Pilot Certification maneuvers. Flight maneuver training includes chandelles, lazy eights, steep power turns, and accuracy landings. Prerequisite(s): Grade of 'C' or better in AVP 185 or equivalent. Instructor permission only.

Instructor Permission required.

Additional Fee: 19.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
51L1	4 Cr	8:00AM-11:00AM	DAILY	07/01/19-08/30/19	SHC105	Collins, Mars	ENHANCED	

AVP 215 COMMERCIAL PILOT V

Gain additional aeronautical knowledge and flying skills necessary for advanced precision flight maneuvers. Prerequisite(s): Successful completion of AVP 210 or equivalent. Instructor permission only.

Instructor Permission required.

Additional Fee: 19.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
51M1	4 Cr	8:00AM-11:00AM	DAILY	07/01/19-08/30/19	SHC105	Collins, Mars	ENHANCED	

AVP 218 MULTI-ENGINE INSTRUCTOR CERTIFICATION MEI

Obtain and/or update knowledge and skills to meet Federal Aviation Administration multi-engine instructor requirements. Multi-engine operations, systems, performance, instrument, and aerodynamics will be examined. Emergency operations, including engine-out performance, aerodynamics, decision making, and instrument flight, will be studied. Prerequisite(s): Must be at least 18 years of age and be able to read, speak, write, and understand the English language. Must comply with FAA licensing standards and possess an FAA private pilot certificate. Second-class FAA medical certificate required prior to the first day of class. Please contact instructor for details. The Transportation Security Administration (TSA) requires that U.S. citizens prove citizenship status before beginning flight training by providing a current passport or birth certificate and driver's license. Non-U.S. students must submit to a background and fingerprint check from the TSA prior to beginning training. Contact instructor for details. Must have instructor permission.

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>	<u>Delivery</u>
51AD	3 Cr	8:00AM-11:00AM	DAILY	07/01/19-08/30/19	SHC105	Collins, Mars	ENHANCED	

AVP 220 COMMERCIAL PILOT VI

Receive advanced training in all the required Commercial Pilot Certification maneuvers. Flying proficiency in these maneuvers will meet the requirements set forth in the FAA Practical Test Standards. Prerequisite(s): Successful completion of AVP 215 or equivalent.

Instructor Permission required.

Additional Fee: 19.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
51N1	4 Cr	8:00AM-11:00AM	DAILY	07/01/19-08/30/19	SHC105	Collins, Mars	ENHANCED	

AVP 223 COMMERCIAL PILOT PRACTICAL STANDARDS V

Receive additional flight and ground training as required to meet pilot certification requirements. Prerequisite(s): Instructor permission only.

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>	<u>Delivery</u>
51P1	4 Cr	8:00AM-11:00AM	DAILY	07/01/19-08/30/19	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>	<u>Delivery</u>
51Q1	4 Cr	8:00AM-11:00AM	DAILY	07/01/19-08/30/19	SHC105	Collins, Mars	ENHANCED	

AVP 235 COMMERCIAL PILOT VIII

Operate a high-performance aircraft with retractable landing gear and constant-speed propeller. Advanced flight maneuvers, as well as emergency procedures, will be mastered. Prerequisite(s): Successful completion of AVP 230 or equivalent. Instructor permission only.

Instructor Permission required.

Additional Fee: 19.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
51R1	4 Cr	8:00AM-11:00AM	DAILY	07/01/19-08/30/19	SHC105	Collins, Mars	ENHANCED	

AVP 240 COMMERCIAL PILOT IX

Operate a high-performance aircraft with retractable landing gear and constant-speed propeller. Increase proficiency in advance flight maneuvers and emergency procedures. Obtain logbook endorsement for the operation of High Performance Airplanes. Prerequisite(s): Successful completion of AVP 235 or equivalent. Instructor permission only.

Instructor Permission required.

Additional Fee: 19.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
51S1	4 Cr	8:00AM-11:00AM	DAILY	07/01/19-08/30/19	SHC105	Collins, Mars	ENHANCED	

AVP 245 COMMERCIAL PILOT X

Receive initial preparative training to increase aeronautical skills and experience to meet the requirements for the issuance of a Commercial Pilot Certificate. Prerequisite(s): Grade of 'C' or better in AVP 240 or equivalent. Instructor permission only.

Instructor Permission required.

Additional Fee: 19.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
51T1	4 Cr	8:00AM-11:00AM	DAILY	07/01/19-08/30/19	SHC105	Collins, Mars	ENHANCED	

AVP 250 COMMERCIAL PILOT XI

Receive additional preparative training to increase aeronautical skills and experience to meet the requirements for the issuance of a Commercial Pilot Certificate. Prerequisite(s): Successful completion of AVP 245 or equivalent. Instructor permission only.

Instructor Permission required.

Additional Fee: 19.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
51U1	4 Cr	8:00AM-11:00AM	DAILY	07/01/19-08/30/19	SHC105	Collins, Mars	ENHANCED	

AVP 255 COMMERCIAL PILOT XII

Receive final advanced preparative training to increase aeronautical skills and experience to meet the requirements for the issuance of a Commercial Pilot Certificate. Prerequisite(s): AVP 250 or equivalent. Instructor permission only.

Instructor Permission required.

Additional Fee: 19.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
51V1	4 Cr	8:00AM-11:00AM	DAILY	07/01/19-08/30/19	SHC105	Collins, Mars	ENHANCED	

AVP 257 COMMERCIAL PILOT PRACTICAL STANDARDS VI

Receive additional flight and ground training as required to meet pilot certification requirements. Prerequisite(s): Instructor permission only.

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>	<u>Delivery</u>
51W1	4 Cr	8:00AM-11:00AM	DAILY	07/01/19-08/30/19	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.

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>	<u>Delivery</u>
51X1	4 Cr	8:00AM-11:00AM	DAILY	07/01/19-08/30/19	SHC105	Collins, Mars	ENHANCED	

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.

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>	<u>Delivery</u>
51Y1	4 Cr	8:00AM-11:00AM	DAILY	07/01/19-08/30/19	SHC105	Collins, Mars	ENHANCED	

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 Certified Flight Instructor Certificate. Prerequisite(s): FAA Commercial Pilot Airplane Certificate with Instrument Airplane Rating Certified Flight Instructor-Airplane Certificate. Instructor permission only.

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>	<u>Delivery</u>
51Z1	4 Cr	8:00AM-11:00AM	DAILY	07/01/19-08/30/19	SHC105	Coyner, Bill	ENHANCED	

AVP 271 MULTI-ENGINE CERTIFICATION

Obtain and/or update their knowledge and skills to meet Federal Aviation Administration multi-engine requirements. Multi-engine operations, systems, performance, instrument, and aerodynamics will be examined. Emergency operations, including engine-out performance, aerodynamics, decision-making, and instrument flight, will be studied. Prerequisite(s): Must be at least 18 years of age and be able to read, speak, write, and understand the English language. Must comply with FAA licensing standards and possess an FAA private pilot certificate and Instrument rating. Second-class FAA medical certificate required prior to the first day of class. Please contact instructor for details. The Transportation Security Administration (TSA) requires that U.S. citizens prove citizenship status before beginning flight training by providing a current passport or birth certificate and driver's license. Non-U.S. students must submit to a background and fingerprint check from the TSA prior to beginning training. Contact instructor for details. Must have instructor permission.

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>	<u>Delivery</u>
51AC	3 Cr	8:00AM-11:00AM	DAILY	07/01/19-08/30/19	SHC105	Collins, Mars	ENHANCED	

PSYCHOLOGY

PSYC& 100 GENERAL PSYCHOLOGY

Surveys the knowledge and methods of the discipline of psychology. Presents a broad view of this subject and establishes the foundation for further study of the discipline. Emphasis will be placed on applying psychological knowledge to daily situations and on accessing and assessing information about behavior from a variety of sources. Skills in scientific reasoning and critical thinking will be developed. Prerequisite(s): Appropriate Accuplacer reading/writing combined score of 277 or equivalent or successful completion of ENG 094.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
0529	5 Cr	ARRANGED	ARRANGED	07/01/19-08/30/19	ON LINE	Rose-Pennisi	ONLINE	
0530	5 Cr	ARRANGED	ARRANGED	07/01/19-08/30/19	ON LINE	Rose-Pennisi	ONLINE	
0531	5 Cr	ARRANGED	ARRANGED	07/01/19-08/30/19	ON LINE	Baylor, James	ONLINE	
0539	5 Cr	ARRANGED	ARRANGED	07/01/19-08/30/19	ON LINE	Baylor, James	ONLINE	
0532	5 Cr	9:10AM-10:05AM	TWTh	07/02/19-08/30/19	16 203	Baylor, James	HYBRID	

PSYC& 200 LIFESPAN PSYCHOLOGY

Introduces the milestones of human development from conception to death. It describes the physical, cognitive, and social growth of people, with special attention to various cultural contexts of development and the rich diversity of individuals. The content is drawn from research and theories in developmental psychology. Students are expected to integrate their personal experiences, knowledge of psychology, and their observations of human development with the content of this course. Implications for parenting, education, and social policy making will be discussed, so that students may apply course information to meaningful problems. Prerequisite(s): Successful completion of PSYC& 100.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
0533	5 Cr	ARRANGED	ARRANGED	07/01/19-08/30/19	ON LINE	Curry, Roger	ONLINE	

PSYC& 220 ABNORMAL PSYCHOLOGY

A study of the development and symptoms of mental health disorders. Topics covered include schizophrenia, mood disorders, anxiety disorders, personality disorders, psychosomatic disorders, sexual deviation, organic disorders, and the process of adjustment to stress. Attention is given to biosocial, cognitive, and cultural factors and their role in mental health. Prerequisite(s): Successful completion of PSYC& 100 or equivalent.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
0534	5 Cr	ARRANGED	ARRANGED	07/01/19-08/30/19	ON LINE	Sperry, David	ONLINE	

PUBLIC SPEAKING

CMST& 220 PUBLIC SPEAKING

An Open Course Library class with inexpensive course materials. Assists students in developing real-world oral communication skills. Capture the dynamics of today's business realities and see the benefits of effective communication. Selection of topics, library research, analysis, oral style, use of visual aids, and preparation and delivery of various types of speeches and oral presentations are included. The Internet, email, community interaction, and other practical tools support student learning and increase public speaking skills. Emphasis is placed on principles of cultural diversity. Prerequisite(s): Appropriate Accuplacer (283 in reading) placement score or equivalent or successful completion of ENG 094.

Additional Fee: 24.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
0515	5 Cr	9:05AM-11:25AM	MW	07/01/19-08/28/19	14 212	Copeland, Kri	HYBRID	
0516	5 Cr	9:05AM-11:25AM	TTh	07/02/19-08/29/19	14 212	Copeland, Kri	HYBRID	
0517	5 Cr	12:40PM-3:20PM	TTh	07/02/19-08/29/19	14 212	Copeland, Kri	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.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
3261	4 Cr	ARRANGED	ARRANGED	07/01/19-08/30/19	ON LINE	Phillips, Jen	ONLINE	

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: 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>	<u>Delivery</u>
32B1	3 Cr	9:00AM-2:00PM	WThF	07/03/19-08/30/19	31 100	Phillips, Jen	HYBRID	

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.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
3271	3 Cr	ARRANGED	ARRANGED	07/01/19-08/30/19	ON LINE	Phillips, Jen	ONLINE	

REST 112 RESTAURANT DINING

Familiarizes students with all aspects of running a casual-style dining room open to the public. Included are opening/closing procedures, table setup, customer-service techniques, leadership, sanitation, and safety procedures.

Instructor Permission required.

Additional Fee: 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>	<u>Delivery</u>
3281	7 Cr	9:00AM-2:00PM	WThF	07/03/19-08/30/19	31 100	Phillips, Jen	HYBRID	

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.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
3291	3 Cr	ARRANGED	ARRANGED	07/01/19-08/30/19	ON LINE	Phillips, Jen	ONLINE	

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.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
32A1	4 Cr	ARRANGED	ARRANGED	07/01/19-08/30/19	ON LINE	Phillips, Jen	ONLINE	

REST 122 FOOD SERVICE NUTRITION

Learn the basics of food service nutrition for culinary professionals. This class will teach students about the biological process that occurs as you eat, what constitutes a healthy diet, and the structure and function of foods.

Instructor Permission required.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
32C1	4 Cr	ARRANGED	ARRANGED	07/01/19-08/30/19	ON LINE	Phillips, Jen	ONLINE	

REST 126 FINANCE AND ACCOUNTING

Prepares students to understand, interpret, and analyze financial statements, budgeting, cash flow, and cash management. This gives students a chance to become familiar with financial statements prior to entering the work force so they have a working knowledge in this area.

Instructor Permission required.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
32D1	4 Cr	ARRANGED	ARRANGED	07/01/19-08/30/19	ON LINE	Phillips, Jen	ONLINE	

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>	<u>Delivery</u>
32F1	4 Cr	ARRANGED	ARRANGED	07/01/19-08/30/19	ON LINE	Phillips, Jen	ONLINE	

REST 133 BEVERAGE SERVICE

Learn to set up and manage a beverage service operation successfully. Includes the history of bar service, beverage making ingredients and processes, and safety and sanitation in the bar.

Instructor Permission required.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
32G1	4 Cr	ARRANGED	ARRANGED	07/01/19-08/30/19	ON LINE	Phillips, Jen	ONLINE	

REST 137 HOSPITALITY LAW

Learn about laws affecting the hospitality industry on both a national and state level. This class will look at operating an establishment according to government regulations regarding sales, civil rights, liability, administration issues, and organization.

Instructor Permission required.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
32H1	4 Cr	ARRANGED	ARRANGED	07/01/19-08/30/19	ON LINE	Phillips, Jen	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>	<u>Delivery</u>
5781	3 Cr	ARRANGED	ARRANGED	07/01/19-08/30/19	ON LINE	Reyggers, Ryan	ONLINE	

RBM 107 MARKETING

Discover the methods and techniques of marketing research and the principles on which they are based. Includes the elements of the research process, evaluation, and effective presentation of findings.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
5791	3 Cr	ARRANGED	ARRANGED	07/01/19-08/30/19	ON LINE	Reyggers, Ryan	ONLINE	

RBM 109 PRINCIPLE OF RETAILING

Provides an introduction to retail management operations and merchandising. Covers retail target markets, trading area analysis and site selection, retail organization, buying, handling financial management of merchandise, development of retail image, customer service, and control of retail operations.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
57A1	3 Cr	ARRANGED	ARRANGED	07/01/19-08/30/19	ON LINE	Reyggers, 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>	<u>Delivery</u>
5741	3 Cr	ARRANGED	ARRANGED	07/01/19-08/30/19	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>	<u>Delivery</u>
57B1	3 Cr	ARRANGED	ARRANGED	07/01/19-08/30/19	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>	<u>Delivery</u>
57C1	3 Cr	ARRANGED	ARRANGED	07/01/19-08/30/19	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>	<u>Delivery</u>
5771	3 Cr	ARRANGED	ARRANGED	07/01/19-08/30/19	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>	<u>Delivery</u>
57J1	3 Cr	ARRANGED	ARRANGED	07/01/19-08/30/19	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>	<u>Delivery</u>
5751	5 Cr	ARRANGED	ARRANGED	07/01/19-08/31/19	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>	<u>Delivery</u>
5721	5 Cr	ARRANGED	ARRANGED	07/01/19-08/30/19	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>	<u>Delivery</u>
57G1	5 Cr	ARRANGED	ARRANGED	07/01/19-08/30/19	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.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
5761	4 Cr	ARRANGED	ARRANGED	07/01/19-08/30/19	ON LINE	Reyggers, Ryan	ONLINE	

RBM 162 SOCIAL MEDIA MARKETING

Learn 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>	<u>Delivery</u>
57H1	5 Cr	ARRANGED	ARRANGED	07/01/19-08/30/19	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>	<u>Delivery</u>
57K1	5 Cr	ARRANGED	ARRANGED	07/01/19-08/30/19	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>	<u>Delivery</u>
57D1	5 Cr	ARRANGED	ARRANGED	07/01/19-08/30/19	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>	<u>Delivery</u>
57L1	5 Cr	ARRANGED	ARRANGED	07/01/19-08/30/19	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>	<u>Delivery</u>
57F1	5 Cr	ARRANGED	ARRANGED	07/01/19-08/30/19	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 Accuplacer reading/writing combined score of 277 or equivalent or successful completion of ENG 094.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
0535	5 Cr	ARRANGED	ARRANGED	07/01/19-08/30/19	ON LINE	Rose-Pennisi	ONLINE	
0536	5 Cr	ARRANGED	ARRANGED	07/01/19-08/30/19	ON LINE	Rose-Pennisi	ONLINE	
0537	5 Cr	10:20AM-11:15AM	TWTh	07/01/19-08/29/19	16 203	Baylor, James	HYBRID	

SURGICAL TECHNOLOGY

SURG 145 SURGICAL LAB I

Explores the operative environment, aseptic principles and practices, methodologies of opening sterile packages, preparation of the sterile field, positioning and prepping, scrub role, assistant circulator role, instruments, supplies, equipment, patient positions, incisions, draping, procedural steps and care of specimens, surgical counts, instrument handling, medication handling, suture handling, loading and unloading of blades, backtable and mayo setups, room disinfection, turnover and termination. Prerequisite(s): Successful completion of SURG110 (Intro to Surg Lab), SURG 115(Intro to the Surg Enviro). SURG120 (Care of the Surg Pt I), BIOL& 242, CAH 105

Additional Fee: 17.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
4001	5 Cr	10:30AM-3:30PM	TTh	07/02/19-08/29/19	21 120	Clark, Keza	ENHANCED	

SURG 148 OPERATING ROOM THEORY I

Explores the OR environment, instrumentation, equipment, supplies, patient positions, specimen care, postoperative considerations, abdominal incisions, surgical anatomy and procedures in general, laparoscopic, ob-gyn, ophthalmic, and genitourinary surgeries. Prerequisite(s): Successful completion of SURG 110, SURG 115, SURG 120, BIOL& 242, CAH 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>	<u>Delivery</u>
4011	5 Cr	7:00AM-9:30AM	TTh	07/02/19-08/29/19	21 113	Clark, Keza	HYBRID	

SURG 150 OPERATING ROOM SETTING

Explore the history of surgical technology, career opportunities, communication skills, and the effects of teamwork, law, ethics, documentation, and the health care facility environment. Prerequisite(s): Successful completion of SURG 110, SURG 115, SURG 120, BIOL& 242, CAH 105.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
4021	2 Cr	ARRANGED	ARRANGED	07/01/19-08/30/19	ON LINE	Clark, Keza	ONLINE	

SURG 152 CARE OF THE SURGICAL PATIENT

Covers the physical, and biophysical needs of the patient and religious and cultural influences. Methods of handling death and dying, and the ethical issues surrounding death and dying. Explores the processes related to management and care of the surgical wound, including hemostasis, sutures, dressings, drains and application of various types of dressings. Prerequisite(s): Successful completion of SURG 110, SURG 115, SURG 120, BIOL& 242, CAH 105.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
4031	2 Cr	ARRANGED	ARRANGED	07/01/19-08/30/19	ON LINE	Clark, Keza	ONLINE	

SURG 201 OPERATING ROOM THEORY III

Assesses the anatomy, physiology, and path physiology of the surgical specialties. Classroom activities will analyze procedures and anatomy related to pediatric, thoracic/pulmonary, cardiac, peripheral vascular neurosurgical and trauma procedures. Prerequisite(s): Successful completion of SURG154, SURG 160, SURG 128, SURG 153, SOC 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>	<u>Delivery</u>
4051	5 Cr	7:00AM-9:30AM	WF	07/03/19-08/30/19	21 113	Clark, Keza	HYBRID	

SURG 205 CLINICAL PREPARATION

Students will earn HIPPA and Blood Borne Pathogens certificates, and complete all paperwork related to attending clinical rotation. Prerequisite(s): Successful completion of SURG 154, SURG 160, SURG 128, SURG 153, SOC 101

Additional Fee: 26.80

<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>	<u>Delivery</u>
4061	2 Cr	ARRANGED	ARRANGED	07/01/19-08/30/19	ARR	Clark, Keza	HYBRID	

SURG 208 MICROBIOLOGY FOR SURGICAL TECHNOLOGY

Explores the relationship of microbiology and surgical practice, types and identification process of various microbes, cell structure of microbes, and disease process of microbes Prerequisite(s): Successful completion of SURG154, SURG 160, SURG 128, SURG 153, SOC 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>	<u>Delivery</u>
4071	3 Cr	ARRANGED	ARRANGED	07/01/19-08/30/19	ON LINE	Urquidez, Jam	ONLINE	

SURG 212 SURGICAL LAB III

Preclinical level lab for practice of aseptic principles and practices, scrubbing, gowning, gloving, and preparation of the sterile field. Will practice draping patient, placing multiple types of drains and patient positioning. Demonstrate critical thinking skills and prioritizing the situations and corrections of contaminations. The course will teach care of

specimens, and learn the roles of assistant circulator. Prerequisite(s): Successful completion of SURG154, SURG160, SURG128, SURG 153, SOC 101

Additional Fee: 363.90

<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>	<u>Delivery</u>
4041	5 Cr	10:30AM-3:30PM	WF	07/03/19-08/30/19	21 120	Clark, Keza		ENHANCED

SURG 225 CLINICAL APPLICATIONS III

See Clinical Applications. Prerequisite(s): Successful completion of SURG 215, SURG 220 SURG 235 and SURG 237.

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>	<u>Delivery</u>
4081	5 Cr	ARRANGED	MTWTh	07/01/19-07/25/19	ARR	Urquidez, Jam		ENHANCED

SURG 230 CLINICAL APPLICATIONS IV

See Clinical Applications. Prerequisite(s): Successful completion of SURG 215, SURG 220 SURG 235 and SURG 237.

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>	<u>Delivery</u>
4091	5 Cr	ARRANGED	MTWTh	07/29/19-08/22/19	ARR	Urquidez, Jam		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 SURG 235 and SURG 237.

Additional Fee: 98.90

<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>	<u>Delivery</u>
40A1	3 Cr	10:00AM-1:00PM	F	07/01/19-08/30/19	21 113	Urquidez, Jam		HYBRID

SURG 242 CERTIFICATION TEST PREP II

Prepares students to take the NBSTSA National Certification Test. Students will participate in the National Certification Test. Prerequisite(s): Successful completion of SURG 201, SURG 215, SURG 220 SURG 235 and SURG 237

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
40B1	2 Cr	ARRANGED	ARRANGED	07/01/19-08/30/19	ON LINE	Urquidez, Jam		ONLINE

UPHOLSTERY

UPH 101 INTRODUCTION TO UPHOLSTERY I

Instructor Permission required.

Additional Fee: 71.80

<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>	<u>Delivery</u>
43F1	4 Cr	9:00AM-3:00PM	DAILY	07/01/19-08/30/19	03 402	Glasgow, J		

UPH 102 INTRODUCTION TO UPHOLSTERY I

INTRODUCES TOOLS AND MATERIALS COMMONLY USED IN THE UPHOLSTERY TRADE. PROVIDES HANDS-ON EXPERIENCE IN PROPER USE OF VARIOUS HAND AND POWER TOOLS AND THEIR MAINTENANCE AND STORAGE. STUDENTS WILL LEARN HOW TO SET UP EFFICIENT WORK STATION. PREREQUISITE: INSTRUCTOR PERMISSION

Additional Fee: 69.75

<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>	<u>Delivery</u>
4301	5 Cr	9:00AM-3:00PM	DAILY	07/01/19-08/30/19	03 402	Glasgow, J		

UPH 103 INTRODUCTION TO UPHOLSTERY II

Instructor Permission required.

Additional Fee: 64.80

<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>	<u>Delivery</u>
43G1	4 Cr	9:00AM-3:00PM	DAILY	07/01/19-08/30/19	03 402	Glasgow, J		

UPH 104 INTRODUCTION TO UPHOLSTERY II

Introduces types of foam and fabrics along with their characteristics and uses in upholstery. Equips students with skills needed to design patterns, measure and calculate materials needed for an upholstery project. Continuation of skills learned in Introduction To Upholstery I. Prerequisite(s): Instructor permission.

Additional Fee: 69.75

<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>	<u>Delivery</u>
4311	5 Cr	9:00AM-3:00PM	DAILY	07/01/19-08/30/19	03 402	Glasgow, J		

UPH 105 BASIC SEWING I

Instructor Permission required.

Additional Fee: 64.80

<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>	<u>Delivery</u>
43H1	4 Cr	9:00AM-3:00PM	DAILY	07/01/19-08/30/19	03 402	Glasgow, J		

UPH 106 BASIC SEWING I

Covers the setup and threading of commercial upholstery sewing machines. Provides a foundation for students to learn to sew on commercial machines with control and accuracy. Prerequisite(s): Instructor permission.

Additional Fee: 69.75

<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>	<u>Delivery</u>
4321	5 Cr	9:00AM-3:00PM	DAILY	07/01/19-08/30/19	03 402	Glasgow, J		

UPH 107 BASIC SEWING II

Instructor Permission required.

Additional Fee: 64.80

<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>	<u>Delivery</u>
43J1	4 Cr	9:00AM-3:00PM	DAILY	07/01/19-08/30/19	03 402	Glasgow, J		

UPH 108 BASIC SEWING II

Focuses on building a foundation of sewing skills. Provides instruction introduction to troubleshooting and maintenance of commercial sewing machines. Introduces students to various machine stitches and their uses. Continuation of skills learned in Basic Sewing I. Prerequisite(s): Instructor permission.

Additional Fee: 69.75

<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>	<u>Delivery</u>
4331	5 Cr	9:00AM-3:00PM	DAILY	07/01/19-08/30/19	03 402	Glasgow, J		

UPH 109 INTERMEDIATE SEWING I

Instructor Permission required.

Additional Fee: 64.80

<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>	<u>Delivery</u>
43K1	4 Cr	9:00AM-3:00PM	DAILY	07/01/19-08/30/19	03 402	Glasgow, J		

UPH 110 INTERMEDIATE SEWING I

Develop sewing skills, speed and accuracy by constructing cushions, pillows and automotive inserts.

Prerequisite(s): Successful completion of UPH 102, UPH 104, UPH 106 and UPH 108, or Instructor permission.

Additional Fee: 69.75

<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>	<u>Delivery</u>
4341	5 Cr	9:00AM-3:00PM	DAILY	07/01/19-08/30/19	03 402	Glasgow, J		

UPH 111 INTERMEDIATE SEWING II

Instructor Permission required.

Additional Fee: 64.80

<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>	<u>Delivery</u>
43L1	4 Cr	9:00AM-3:00PM	DAILY	07/01/19-08/30/19	03 402	Glasgow, J		

UPH 112 INTERMEDIATE SEWING II

Continuation of sewing skills learned in Intermediate Sewing I. Increase speed and accuracy by constructing cushions, pillows and automotive inserts.

Additional Fee: 69.75

<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>	<u>Delivery</u>
4351	5 Cr	9:00AM-3:00PM	DAILY	07/01/19-08/30/19	03 402	Glasgow, J		

UPH 113 ADVANCED SEWING I

Instructor Permission required.

Additional Fee: 64.80

<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>	<u>Delivery</u>
43M1	4 Cr	9:00AM-3:00PM	DAILY	07/01/19-08/30/19	03 402	Glasgow, J		

UPH 114 ADVANCED SEWING I

Provides students the opportunity to develop advanced sewing skills by constructing complex seats and custom designs. Prerequisite(s): Successful completion of UPH 102, UPH 104, UPH 106 and UPH 108, or instructor permission.

Additional Fee: 69.75

<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>	<u>Delivery</u>
4361	5 Cr	9:00AM-3:00PM	DAILY	07/01/19-08/30/19	03 402	Glasgow, J		

UPH 115 ADVANCED SEWING II

Instructor Permission required.

Additional Fee: 64.80

<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>	<u>Delivery</u>
43N1	4 Cr	9:00AM-3:00PM	DAILY	07/01/19-08/30/19	03 402	Glasgow, J		

UPH 116 ADVANCED SEWING II

Continuation of Advanced Sewing I to develop students' advanced sewing skills. Provides practical application of sewing skills on a 2015 Corvette seat frame or similar. Students will design a pattern, cut, sew, and fit a new upholstery cover for a seat back. Prerequisite(s): Successful completion of UPH 102, UPH 104, UPH 106 and UPH 108, or instructor permission.

Additional Fee: 69.75

<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>	<u>Delivery</u>
4371	5 Cr	9:00AM-3:00PM	DAILY	07/01/19-08/30/19	03 402	Glasgow, J		

UPH 136 CARPETS

Covers removal of automotive carpet for replacement, preparation of the trunk and other interior areas, cutting and sewing new carpet and reinstallation of an automotive carpet. Prerequisite(s): Successful completion of UPH 126, UPH 128 and UPH 132, or instructor permission.

Additional Fee: 64.80

<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>	<u>Delivery</u>
4381	4 Cr	9:00AM-3:00PM	DAILY	07/01/19-08/30/19	03 402	Glasgow, J		

UPH 140 CONVERTIBLE TOPS

Students will learn how to disassemble a convertible top, fabricate top pads, prepare care and bows for a new top, and install a new top. Prerequisite(s): Successful completion of UPH 126, UPH 128 and UPH 132, or instructor permission.

Additional Fee: 64.80

<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>	<u>Delivery</u>
4391	4 Cr	9:00AM-3:00PM	DAILY	07/01/19-08/30/19	03 402	Glasgow, J		

UPH 180 DIAMOND TUFTING

Additional Fee: 64.80

<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>	<u>Delivery</u>
43B1	4 Cr	9:00AM-3:00PM	DAILY	07/01/19-08/30/19	03 402	Glasgow, J		

UPH 183 PILLOW BACKS

Additional Fee: 64.80

<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>	<u>Delivery</u>
43P1	4 Cr	9:00AM-3:00PM	DAILY	07/01/19-08/30/19	03 402	Glasgow, J		

UPH 185 PILLOW BACKS

Additional Fee: 69.75

<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>	<u>Delivery</u>
43C1	5 Cr	9:00AM-3:00PM	DAILY	07/01/19-08/30/19	03 402	Glasgow, J		

UPH 189 DESIGN & CONSTRUCT OF A HEADBOARD

Additional Fee: 64.80

<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>	<u>Delivery</u>
43Q1	4 Cr	9:00AM-3:00PM	DAILY	07/01/19-08/30/19	03 402	Glasgow, J		

UPH 190 DESIGN & CONSTRUCT OF A HEADBOARD

Additional Fee: 69.75

<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>	<u>Delivery</u>
43D1	5 Cr	9:00AM-3:00PM	DAILY	07/01/19-08/30/19	03 402	Glasgow, J		

UPH 200 SPECIAL PROJECTS

Additional Fee: 64.80

<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>	<u>Delivery</u>
43A1	4 Cr	9:00AM-3:00PM	DAILY	07/01/19-08/30/19	03 402	Glasgow, J		

WELDING TECHNOLOGY

WLD 106 WELDING THEORY

Introduces the tools and equipment used in welding. Includes safety considerations, electrical principles, welding quality and technical orientation for select welding and cutting processes. Instructor Permission required.

Additional Fee: 119.35

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
9801	5 Cr	7:00AM-12:00PM	DAILY	07/01/19-08/30/19	25 403	Meyers, David		
98AN	5 Cr	5:00PM-10:00PM	DAILY	07/01/19-08/30/19	25 403	Riojas, Ameli		
98P1	5 Cr	12:00PM-5:00PM	DAILY	07/01/19-08/30/19	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.

Additional Fee: 119.35

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
9811	3 Cr	7:00AM-12:00PM	DAILY	07/01/19-08/30/19	25 400	Meyers, David		
98AP	3 Cr	5:00PM-10:00PM	DAILY	07/01/19-08/30/19	25 400	Riojas, Ameli		
98Q1	3 Cr	12:00PM-5:00PM	DAILY	07/01/19-08/30/19	25 400	Agostino, Jus		

WLD 112 OXYACETYLENE WELDING AND BRAZING

Develops the knowledge and skill for welding, brazing, and braze welding various joint designs using oxyacetylene equipment. Corequisite: WLD 105.

Additional Fee: 119.35

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
9821	4 Cr	7:00AM-12:00PM	DAILY	07/01/19-08/30/19	25 400	Meyers, David		
98AQ	4 Cr	5:00PM-10:00PM	DAILY	07/01/19-08/30/19	25 400	Riojas, Ameli		
98R1	4 Cr	12:00PM-5:00PM	DAILY	07/01/19-08/30/19	25 400	Agostino, Jus		

WLD 117 SMAW I

Introduces the shielded metal arc welding (SMAW) process with emphasis on skill development using deep penetrating electrodes in the flat and horizontal positions. , deep penetrating electrodes by welding various joints in the vertical and overhead positions. Prerequisite(s): Completion of or concurrent enrollment in WLD 105.

Instructor Permission required.

Additional Fee: 119.35

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
9831	7 Cr	7:00AM-12:00PM	DAILY	07/01/19-08/30/19	25 400	Meyers, David		
98AR	7 Cr	5:00PM-10:00PM	DAILY	07/01/19-08/30/19	25 400	Riojas, Ameli		
98S1	7 Cr	12:00PM-5:00PM	DAILY	07/01/19-08/30/19	25 400	Agostino, Jus		

WLD 123 SMAW II

Develops understanding of the applications and techniques for using low-hydrogen SMAW electrodes in the flat and horizontal positions. , low-hydrogen electrodes by welding various joint designs in the vertical and overhead positions. Prerequisite(s): Successful completion of WLD 105.

Instructor Permission required.

Additional Fee: 119.35

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
9851	7 Cr	7:00AM-12:00PM	DAILY	07/01/19-08/30/19	25 400	Meyers, David		
98AS	7 Cr	5:00PM-10:00PM	DAILY	07/01/19-08/30/19	25 400	Riojas, Ameli		
98T1	7 Cr	12:00PM-5:00PM	DAILY	07/01/19-08/30/19	25 400	Agostino, Jus		

WLD 143 MATERIALS AND TESTING

Covers welding processes, electrode selection, welder qualifications and welding inspection Instructor Permission required.

Additional Fee: 119.35

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
9841	5 Cr	7:00AM-12:00PM	DAILY	07/01/19-08/30/19	25 403	Meyers, David		
98AT	5 Cr	5:00PM-10:00PM	DAILY	07/01/19-08/30/19	25 403	Riojas, Ameli		
98U1	5 Cr	12:00PM-5:00PM	DAILY	07/01/19-08/30/19	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: 119.35

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
9871	5 Cr	7:00AM-12:00PM	DAILY	07/01/19-08/30/19	25 403	Meyers, David		
98AU	5 Cr	5:00PM-10:00PM	DAILY	07/01/19-08/30/19	25 403	Riojas, Ameli		
98W1	5 Cr	12:00PM-5:00PM	DAILY	07/01/19-08/30/19	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.

Additional Fee: 119.35

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
9861	7 Cr	7:00AM-12:00PM	DAILY	07/01/19-08/30/19	25 400	Meyers, David		
98AV	7 Cr	5:00PM-10:00PM	DAILY	07/01/19-08/30/19	25 400	Riojas, Ameli		
98V1	7 Cr	12:00PM-5:00PM	DAILY	07/01/19-08/30/19	25 400	Agostino, Jus		

WLD 157 METALLURGY

Examines metal identification and classification, mechanical properties, crystalline structures, heat treatments, and metallurgical effects of welding. Prerequisite: WLD 142.

Additional Fee: 119.35

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
98A1	5 Cr	7:00AM-12:00PM	DAILY	07/01/19-08/30/19	25 403	Meyers, David		
98AW	5 Cr	5:00PM-10:00PM	DAILY	07/01/19-08/30/19	25 403	Riojas, Ameli		
98X1	5 Cr	12:00PM-5:00PM	DAILY	07/01/19-08/30/19	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: 119.35

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
9881	7 Cr	7:00AM-12:00PM	DAILY	07/01/19-08/30/19	25 400	Meyers, David		
98AX	7 Cr	5:00PM-10:00PM	DAILY	07/01/19-08/30/19	25 400	Riojas, Ameli		
98Y1	7 Cr	12:00PM-5:00PM	DAILY	07/01/19-08/30/19	25 400	Agostino, Jus		

WLD 210 GAS TUNGSTEN ARC WELDING I

Develops the ability to use the gas tungsten arc welding process to join carbon and stainless steels with various joint designs in all positions. Prerequisite: Completion of, or concurrent enrollment in, WLD 142.

Additional Fee: 119.35

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
9891	7 Cr	7:00AM-12:00PM	DAILY	07/01/19-08/30/19	25 400	Meyers, David		
98AY	7 Cr	5:00PM-10:00PM	DAILY	07/01/19-08/30/19	25 400	Riojas, Ameli		
98Z1	7 Cr	12:00PM-5:00PM	DAILY	07/01/19-08/30/19	25 400	Agostino, Jus		

WLD 211 ADVANCED GTAW I

Develops the welding in all positions for Gas Tungsten Arc Welding for a variety of light gauge steel and aluminum joint designs. Prerequisite(s): Successful completion of WLD 210 or instructor permission.

Instructor Permission required.

Additional Fee: 119.35

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
98AA	7 Cr	12:00PM-5:00PM	DAILY	07/01/19-08/30/19	25 400	Agostino, Jus		
98AZ	7 Cr	5:00PM-10:00PM	DAILY	07/01/19-08/30/19	25 400	Riojas, Ameli		
98B1	7 Cr	7:00AM-12:00PM	DAILY	07/01/19-08/30/19	25 400	Meyers, David		

WLD 214 ADVANCED GTAW II

WLD 214 ADVANCED GAS TUNGSTEN ARC WELDING II 7CR Develops the welding techniques in all positions for Gas Tungsten Arc Welding for a variety of light gauge exotic metals joint designs. Prerequisite(s): Completion of, or concurrent enrollment in, WLD 211.

Additional Fee: 119.35

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
98AB	7 Cr	12:00PM-5:00PM	DAILY	07/01/19-08/30/19	25 400	Agostino, Jus		
98BA	7 Cr	5:00PM-10:00PM	DAILY	07/01/19-08/30/19	25 400	Riojas, Ameli		
98C1	7 Cr	7:00AM-12:00PM	DAILY	07/01/19-08/30/19	25 400	Meyers, David		

WLD 217 SPECIAL PROJECTS

Develops skills in print reading, project planning, layout, distortion control fixturing, and other fabrication techniques. Students will have the opportunity to apply knowledge to projects of personal interest and/or as assigned. Prerequisite(s): Advanced standing with instructor's permission.

Instructor Permission required.

Additional Fee: 119.35

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
98AC	Var	12:00PM-5:00PM	DAILY	07/01/19-08/30/19	25 400	Agostino, Jus		
98BB	Var	5:00PM-10:00PM	DAILY	07/01/19-08/30/19	25 400	Riojas, Ameli		
98D1	Var	7:00AM-12:00PM	DAILY	07/01/19-08/30/19	25 400	Meyers, David		

WLD 219 SPECIAL PROJECTS II

Develops additional skills in print reading, project planning, layout, distortion control, and other fabrication techniques. Students will have the opportunity to apply knowledge to projects of personal interest and/or assigned. Prerequisite(s): Advanced standing with instructor's permission.

Instructor Permission required.

Additional Fee: 119.35

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
98AD	Var	12:00PM-5:00PM	DAILY	07/01/19-08/30/19	25 400	Agostino, Jus		
98BC	Var	5:00PM-10:00PM	DAILY	07/01/19-08/30/19	25 400	Riojas, Ameli		
98F1	Var	7:00AM-12:00PM	DAILY	07/01/19-08/30/19	25 400	Meyers, David		

WLD 223 GTAW PIPE

Develops welding techniques required to make sound GTAW welds on steel plate and pipe in the 2G, 3G, 4G, & 5G positions. Prerequisite(s): Successful completion of WLD 142 or instructor permission.

Instructor Permission required.

Additional Fee: 119.35

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
98AF	7 Cr	12:00PM-5:00PM	DAILY	07/01/19-08/30/19	25 400	Agostino, Jus		
98BD	7 Cr	5:00PM-10:00PM	DAILY	07/01/19-08/30/19	25 400	Riojas, Ameli		
98G1	7 Cr	7:00AM-12:00PM	DAILY	07/01/19-08/30/19	25 400	Meyers, David		

WLD 225 SMAW PIPE WELDING

Develop welding techniques required to make sound SMAW welds using E6010 and E7018 electrodes on steel pipe in the 2G & 5G positions. Prerequisite(s): Successful completion of WLD 142 or instructor permission.

Instructor Permission required.

Additional Fee: 119.35

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
98AG	7 Cr	12:00PM-5:00PM	DAILY	07/01/19-08/30/19	25 400	Agostino, Jus		
98BF	7 Cr	5:00PM-10:00PM	DAILY	07/01/19-08/30/19	25 400	Riojas, Ameli		
98H1	7 Cr	7:00AM-12:00PM	DAILY	07/01/19-08/30/19	25 400	Meyers, David		

WLD 227 ADVANCED PIPE

Develops welding techniques required to make sound welds on pipe in a variety of joints and positions. Prerequisite(s): Successful completion of WLD 142 or instructor permission.

Additional Fee: 119.35

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
98AH	7 Cr	12:00PM-5:00PM	DAILY	07/01/19-08/30/19	25 400	Agostino, Jus		
98BG	7 Cr	5:00PM-10:00PM	DAILY	07/01/19-08/30/19	25 400	Riojas, Ameli		
98J1	7 Cr	7:00AM-12:00PM	DAILY	07/01/19-08/30/19	25 400	Meyers, David		

WLD 229 METAL-FORMING

Develops techniques, tools, and equipment necessary to form metal into a variant of shapes. Prerequisite(s): Successful completion of WLD 157 Metallurgy or instructor permission.

Additional Fee: 119.35

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
98AJ	7 Cr	12:00PM-5:00PM	DAILY	07/01/19-08/30/19	25 400	Agostino, Jus		
98BH	7 Cr	5:00PM-10:00PM	DAILY	07/01/19-08/30/19	25 400	Riojas, Ameli		
98K1	7 Cr	7:00AM-12:00PM	DAILY	07/01/19-08/30/19	25 400	Meyers, David		

WLD 233 LAYOUT AND FABRICATION

Covers Layout and fabrication techniques required for building production welding projects from a plan. Project planning, layout methods, fixturing, distortion control, and the use of tools and equipment for metal fabrication are also covered. Instructor Permission required.

Additional Fee: 119.35

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
98AK	7 Cr	12:00PM-5:00PM	DAILY	07/01/19-08/30/19	25 400	Agostino, Jus		
98BJ	7 Cr	5:00PM-10:00PM	DAILY	07/01/19-08/30/19	25 400	Riojas, Ameli		
98L1	7 Cr	7:00AM-12:00PM	DAILY	07/01/19-08/30/19	25 400	Meyers, David		

WLD 235 WABO TEST PREP

Develops skills in preparation for employer, Washington Association of Building Officials (WABO) or similar welder qualification tests in the 3G,4G, 5G and 6G positions using a variety of welding processes Instructor Permission required.

Instructor Permission required.

Additional Fee: 119.35

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
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98AL	7 Cr	12:00PM-5:00PM	DAILY	07/01/19-08/30/19	25 400	Agostino, Jus
98BK	7 Cr	5:00PM-10:00PM	DAILY	07/01/19-08/30/19	25 400	Riojas, Ameli
98M1	7 Cr	7:00AM-12:00PM	DAILY	07/01/19-08/30/19	25 400	Meyers, David

WLD 238 FCAW II

Covers welding techniques for self-shielding Flux Core Arc Welding for a variety of joint designs in all positions

Instructor Permission required.

Instructor Permission required.

Additional Fee: 119.35

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>	<u>Delivery</u>
98AM	7 Cr	12:00PM-5:00PM	DAILY	07/01/19-08/30/19	25 400	Agostino, Jus		
98BL	7 Cr	5:00PM-10:00PM	DAILY	07/01/19-08/30/19	25 400	Riojas, Ameli		
98N1	7 Cr	7:00AM-12:00PM	DAILY	07/01/19-08/30/19	25 400	Meyers, David		