



Summer Quarter 2017 Class Schedule

Updated 5/9/2017 3:04:31 PM

ACCOUNTING

ACCT& 201 PRINCIPLES OF ACCOUNTING I

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

Additional Fee: 24.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4971	5 Cr	9:00AM-10:50AM	MW	07/03/17-08/30/17	11 144	Dorum, Lucy	[HYBRID]
49G1	5 Cr	ARRANGED	ARRANGED	07/03/17-08/30/17	ON LINE	Dorum, Lucy	[ONLINE]

ACCT& 202 PRINCIPLES OF ACCOUNTING II

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

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
49A1	5 Cr	ARRANGED	ARRANGED	07/03/17-08/30/17	ON LINE	Cooke, Suzann	[ONLINE]

ACCT& 203 PRINCIPLES OF ACCOUNTING III

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

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
49H1	5 Cr	ARRANGED	ARRANGED	07/03/17-08/30/17	ON LINE	Dorum, Lucy	[ONLINE]
4981	5 Cr	9:00AM-10:50AM	TTh	07/06/17-08/31/17	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): COMPASS score equivalent to completion of MAT 082 and ENG 082 (68 in reading, 33 in writing) or higher, or instructor approval.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
49D1	2 Cr	ARRANGED	ARRANGED	07/03/17-08/30/17	ON LINE	Dorum, Lucy	[ONLINE]

ACTG 141 QUICKBOOKS I

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

Additional Fee: 9.80

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4901	2 Cr	9:00AM-10:50AM	TTh	07/06/17-08/01/17	11 127	Cooke, Suzann	

ACTG 143 QUICKBOOKS II

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

Additional Fee: 14.70

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4911	3 Cr	9:00AM-10:50AM	TTh	08/03/17-08/29/17	11 127	Cooke, Suzann	

ACTG 160 PAYROLL & BUSINESS TAXES

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

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
49F1	5 Cr	ARRANGED	ARRANGED	07/03/17-08/30/17	ON LINE	Dorum, Lucy	[ONLINE]

ACTG 211 PRINCIPLES OF ACCOUNTING I LAB

Provides instructional activities that support material covered in ACCT& 201 in a supervised lab environment. Concurrent with ACCT& 201 or instructor approval. Prerequisite(s): Successful completion of ACTG 135 or instructor approval.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
49J1	2 Cr	ARRANGED	ARRANGED	07/03/17-08/23/17	ON LINE	Dorum, Lucy	[ONLINE]
4991	2 Cr	11:00AM-11:50AM	W	07/05/17-08/30/17	11 127	Dorum, Lucy	

ACTG 213 PRINCIPLES OF ACCOUNTING III LAB

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

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
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49K1 3 Cr ARRANGED ARRANGED 07/03/17-08/23/17 ONLINE Dorum, Lucy [ONLINE]
LINE

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>
4921	4 Cr	11:00AM-11:50AM	MTTh	07/03/17-08/31/17	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 ACTG 115 and ACCT& 201 or instructor approval.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
49B1	5 Cr	ARRANGED	ARRANGED	07/03/17-08/30/17	ON LINE	Cooke, Suzann	[ONLINE]

ACTG 236 ACCOUNTING SPREADSHEETS II

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

Additional Fee: 14.70

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4931	3 Cr	10:00AM-10:50AM	MW	07/03/17-08/30/17	11 127	Cooke, Suzann	

ACTG 260 BUSINESS OFFICE I

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

Additional Fee: 24.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4941	5 Cr	12:00PM-2:00PM	MTWTh	07/10/17-08/24/17	11 127	Cooke, Suzann	[ENHANCED]

ACTG 262 BUSINESS OFFICE II

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

Additional Fee: 24.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4951	5 Cr	12:00PM-2:00PM	MTWTh	07/10/17-08/24/17	11 127	Cooke, Suzann	[ENHANCED]

ACTG 271 INTERNSHIP I

Provides students with practical on-the-job field experience. Program offers students a way to combine

classroom study with related work experience under the supervision of an employer. Work experience must be related to the student's educational and career objectives. Must be approved by the instructor and includes a weekly seminar component. Prerequisite(s): Instructor approval.

Instructor Permission required.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4961	5 Cr	ARRANGED	ARRANGED	07/03/17-08/24/17	11 144	Cooke, Suzann	

BUS& 201 BUSINESS LAW

Introduces the Uniform Commercial Code and Business Laws pertaining to business contracts, sales, bailments, commercial paper, employment, agency, business organization, insurance and property. Prerequisite: ACTG 115 or instructor approval.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
49C1	5 Cr	ARRANGED	ARRANGED	07/03/17-08/30/17	ON LINE	Cooke, Suzann	[ONLINE]

AEROSPACE COMPOSITE

ACM 105 BASIC MATHEMATICS; BASIC PHYSICS; WEIGHT & BALAN

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

Additional Fee: 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>
0901	5 Cr	4:00PM-8:15PM	MTWTh	07/03/17-09/01/17	SHC115	Mensonides, J	

ACM 110 BLUEPRINTS, DRAWINGS, AND PRECISION MEASURING

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

Additional Fee: 71.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
0911	4 Cr	4:00PM-8:15PM	MTWTh	07/03/17-09/01/17	SHC115	Mensonides, J	

ACM 115 MATERIALS AND PROCESSES/LAB & EQUIPMENT SAFETY

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

Additional Fee: 76.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
0921	5 Cr	4:00PM-8:15PM	MTWTh	07/03/17-09/01/17	SHC115	Mensonides, J	

ACM 120 COMPOSITE FABRICATION

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

Additional Fee: 71.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location Faculty</u>	<u>Internet</u>
0931	4 Cr	4:00PM-8:15PM	DAILY	07/03/17-09/01/17	SHC114 Conway, Jacki	

ACM 125 COMPOSITE ASSEMBLY

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

Additional Fee: 71.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location Faculty</u>	<u>Internet</u>
0941	4 Cr	4:00PM-8:15PM	DAILY	07/03/17-09/01/17	SHC114 Conway, Jacki	

ACM 130 COMPOSITE REPAIR

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

Additional Fee: 71.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location Faculty</u>	<u>Internet</u>
0951	4 Cr	4:00PM-8:15PM	DAILY	07/03/17-09/01/17	SHC114 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.

Additional Fee: 66.70

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location Faculty</u>	<u>Internet</u>
0961	3 Cr	4:00PM-8:15PM	DAILY	07/03/17-09/01/17	SHC114 Conway, Jacki	

AMERICAN SIGN LANGUAGE

ASL& 121 AMERICAN SIGN LANGUAGE I

Informs students about deafness, deaf culture, the deaf community, and American Sign Language. Learn to communicate both expressively and receptively in American Sign Language in basic conversation situations. Prerequisite: Appropriate COMPASS (81 in reading, 77 in writing) placement score or successful completion of ENG 094.

Additional Fee: 24.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location Faculty</u>	<u>Internet</u>
0502	5 Cr	2:00PM-4:30PM	MW	07/03/17-08/30/17	17 240 Wilson, Jaime	[HYBRID]

ARCHITECTURAL ENGINEERING DESIGN

ARC 124 RESIDENTIAL DRAFTING AND DESIGN II

Additional Fee: 52.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location Faculty</u>	<u>Internet</u>
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6301 5 Cr 8:00AM-9:50AM TTh 07/06/17-08/31/17 19 201 Bushnell, Pop [\[ENHANCED\]](#)

ARC 151 CONSTRUCTION MATERIAL RESEARCH

Additional Fee: 52.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
6311	5 Cr	8:00AM-9:50AM	MW	07/03/17-08/30/17	19 201	Bushnell, Pop	[ENHANCED]

ARC 174 CIVIL ENGINEERING

Additional Fee: 52.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
6321	5 Cr	12:00PM-1:50PM	TTh	07/06/17-08/31/17	19 203	Lunceford, Ce	[ENHANCED]

ARC 191 ENGINEERING MECHANICS OF MATERIALS

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

Additional Fee: 52.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
6341	5 Cr	11:00AM-11:50AM	MTW	07/03/17-08/30/17	19 201	Bushnell, Pop	[ENHANCED]

ARC 220 RESIDENTIAL DRAFTING AND DESIGN IV

Additional Fee: 52.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
6351	5 Cr	12:00PM-1:50PM	MW	07/03/17-08/30/17	19 201	Bushnell, Pop	[ENHANCED]

ARC 225 DESIGN PROJECT II

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

Prerequisites: ARC 223, ARC 281

Additional Fee: 52.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
6361	5 Cr	12:00PM-1:50PM	M	07/03/17-08/28/17	19 203	Lunceford, Ce	[ENHANCED]

ARC 227 SPECIAL INTERN PROJECT

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

Additional Fee: 52.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
6371	5 Cr	ARRANGED	ARRANGED	07/03/17-09/01/17	ARR	Bushnell, Pop	

ARC 229 SPECIAL DESIGN PROJECT

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

Additional Fee: 52.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
6381	5 Cr	2:30PM-4:20PM	W	07/05/17-08/30/17	19 203	Lunceford, Ce	[ENHANCED]

ARC 231 COST ESTIMATING I

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

Additional Fee: 42.80

<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>
6391	3 Cr	1:00PM-1:50PM	Th	07/11/17-08/22/17	19 201	Bushnell, Pop	[ENHANCED]

ARC 237 ENERGY ANALYSIS

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

Prerequisites: ARC 223, MAT 105

Additional Fee: 33.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
63A1	1 Cr	1:00PM-1:50PM	W	07/05/17-08/09/17	19 203	Lunceford, Ce	[ENHANCED]

ARC 262 INTRODUCTION TO THREE DIMENSIONAL MODELING

Advanced concepts and sketches or residential projects using Google Sketch-Up. Lab hours arranged.

Prerequisites: ARC 181

Additional Fee: 42.80

<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>
63B1	3 Cr	10:00AM-11:50AM	Th	07/06/17-08/31/17	19 203	Lunceford, Ce	[ENHANCED]

ARC 282 INTRODUCTION TO BUILDING INFORMATION MODELING

Additional Fee: 52.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
6331	5 Cr	9:00AM-10:50AM	MW	07/03/17-08/30/17	19 203	Lunceford, Ce	[ENHANCED]

ARC 288 APPLIED CADD

Additional Fee: 52.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
63C1	5 Cr	2:30PM-4:20PM	MT	07/03/17-08/29/17	19 203	Lunceford, Ce	[ENHANCED]

ART

ART& 100 ART APPRECIATION

Introduction to the diversity of the art world from ancient civilizations to contemporary society. A discussion of art terminology and methods will be covered in an overview of art materials and techniques. Prerequisite(s): Appropriate COMPASS (81 in reading) score; or successful completion of ENG 094 is required.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
0501	5 Cr	ARRANGED	ARRANGED	07/03/17-09/01/17	ON LINE	Rendal, Cami	[ONLINE]

AUTOMOTIVE COLLISION TECHNICIAN

IAUT 102 INTRODUCTION TO AUTOMOTIVE ELECTRICAL

This course is an introduction to the automotive industry. Students will learn about the industry, automobile safety, pollution and hygiene, basic hand tools, fasteners and resume preparation. Co-requisite: IAUT 104, IAUT 115, IAUT 130 AND IAUT 139.

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>
9601	3 Cr	7:30AM-1:50PM	DAILY	07/03/17-09/01/17	03 402	Tolson, Lesli	

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 and proper wire splicing and repairs co-requisite: IAUT 102, IAUT 115, IAUT 130 AND IAUT 139.

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>
9611	4 Cr	7:30AM-1:50PM	DAILY	07/03/17-09/01/17	03 402	Tolson, Lesli	

IAUT 115 INTRO TO AUTOMOTIVE STEERING, SUSPENSION & BRAKE

This course is an introduction to automotive steering, suspension and braking systems. Students will learn the basic theory of these systems, how to put a vehicle on a lift and perform inspections and perform a 4 wheel alignment. Co-requisites: IAUT 102, IAUT 104, IAUT 130 AND IAUT 139.

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>
9621	5 Cr	7:30AM-1:50PM	DAILY	07/03/17-09/01/17	03 402	Tolson, Lesli	

IAUT 130 AUTOMOTIVE HVAC

Students will learn auto HVAC system diagnosis and proper service techniques. Co-requisite: IAUT 102, IAUT 104, IAUT 115, AND IAUT 139.

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>
9631	2 Cr	7:30AM-1:50PM	DAILY	07/03/17-09/01/17	03 402	Tolson, Lesli	

IAUT 139 BASIC AUTOMOTIVE WELDING

This course is an introduction to automotive welding. Includes welding using Oxy-Fuel, MIG and other processes used in automotive repair. Co-Requisite: IAUT 102, IAUT 104, IAUT 115 AND IAUT 130.

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>
9641	5 Cr	7:30AM-1:50PM	DAILY	07/03/17-09/01/17	03 402	Tolson, Lesli	

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>
9651	6 Cr	7:30AM-1:50PM	DAILY	07/03/17-09/01/17	03 301	Freeman, Kurt	

ACT 133 PANEL REPAIR

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

IAUT 115, IAUT 130, and IAUT and 139.

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>
9661	6 Cr	7:30AM-1:50PM	DAILY	07/03/17-09/01/17	03 301	Freeman, Kurt	

ACT 134 AUTO COLLISION MAJOR REPAIRS

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

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>
9671	5 Cr	7:30AM-1:50PM	DAILY	07/03/17-09/01/17	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>
9681	8 Cr	7:30AM-1:50PM	DAILY	07/03/17-09/01/17	03 301	Richards, G	

ACT 166 SURFACE IMPERFECTIONS/EXTERIOR TRIM

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

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>
9691	5 Cr	7:30AM-1:50PM	DAILY	07/03/17-09/01/17	03 301	Richards, G	

ACT 171 PLASTIC REFINISHING

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

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>
96A1	5 Cr	7:30AM-1:50PM	DAILY	07/03/17-09/01/17	03 301	Richards, G	

AUTOMOTIVE RESTORATION AND CUSTOMIZATION

ARCF 103 FUNDAMENTALS OF SHOP EQUIPMENT

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

Instructor Permission required.

Additional Fee: 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>
1701	3 Cr	7:30AM-1:50PM	DAILY	07/03/17-09/01/17	03 307	Freeman, Kurt	

ARCF 109 WELDING & METAL SKILLS

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

Instructor Permission required.

Additional Fee: 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>
1711	4 Cr	7:30AM-1:50PM	DAILY	07/03/17-09/01/17	03 307	Freeman, Kurt	

ARCF 114 BASIC REPAIRS AND ASSEMBLY

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

Instructor Permission required.

Additional Fee: 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>
1721	8 Cr	7:30AM-1:50PM	DAILY	07/03/17-09/01/17	03 307	Freeman, Kurt	

ARCF 119 CUSTOM FABRICATION

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

Instructor Permission required.

Additional Fee: 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>
1731	6 Cr	7:30AM-1:50PM	DAILY	07/03/17-09/01/17	03 307	Freeman, Kurt	

ARCF 124 REFINISHING EQUIPMENT

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

Instructor Permission required.

Additional Fee: 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>
1741	4 Cr	7:30AM-1:50PM	DAILY	07/03/17-09/01/17	03 306	Richards, G	

ARCF 129 REFINISH PREPARATION

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

Instructor Permission required.

Additional Fee: 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>
1751	7 Cr	7:30AM-1:50PM	DAILY	07/03/17-09/01/17	03 306	Richards, G	

ARCF 130 ADVANCED PAINT APPLICATION

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

Instructor Permission required.

Additional Fee: 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>
1761	Var	7:30AM-1:50PM	DAILY	07/03/17-09/01/17	03 306	Richards, G	

ARCF 133 FIBERGLASS/COMPOSITES TECHNIQUES

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

Instructor Permission required.

Additional Fee: 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>
1771	6 Cr	7:30AM-1:50PM	DAILY	07/03/17-09/01/17	03 307	Freeman, Kurt	

ARCF 134 CUSTOM REFINISHING

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

Instructor Permission required.

Additional Fee: 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>
1781	6 Cr	7:30AM-1:50PM	DAILY	07/03/17-09/01/17	03 306	Richards, G	

ARCF 141 SURFACE IMPERFECTIONS/SHOW AND SHINE

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

Instructor Permission required.

Additional Fee: 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>
1791	4 Cr	7:30AM-1:50PM	DAILY	07/03/17-09/01/17	03 306	Richards, G	

ARCF 154 AUTOMOTIVE RESTORATION & CUSTOM LAB

Finish projects and competencies in restoration and/or customizing. Nine credits in summer quarter; variable credit other three quarters. Prerequisite(s): Successful completion of IAUT 102, IAUT 104, IAUT 115, IAUT 130, and IAUT 139.

Instructor Permission required.

Additional Fee: 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>
17A1	9 Cr	7:30AM-1:50PM	DAILY	07/03/17-09/01/17	03 307	Freeman, Kurt	

ARCF 159 METAL STRENGTHENING AND SHAPING

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

Instructor Permission required.

Additional Fee: 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>
17B1	Var	7:30AM-1:50PM	DAILY	07/03/17-09/01/17	03 307	Freeman, Kurt	

ARCF 167 CUSTOM PAINT APPLICATION

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

Instructor Permission required.

Additional Fee: 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>
17C1	3 Cr	7:30AM-1:50PM	DAILY	07/03/17-09/01/17	03 306	Richards, G	

ARCF 168 APPLIED METAL SKILLS

Covers application of previously acquired metal skills as they relate to the student's project work.

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

Instructor Permission required.

Additional Fee: 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>
17D1	3 Cr	7:30AM-1:50PM	DAILY	07/03/17-09/01/17	03 307	Freeman, Kurt	

ARCF 170 CUSTOM REFINISHING - SPECIAL PROJECTS

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

Successful completion of IAUT 102, IAUT 104, IAUT 115, IAUT 130, and IAUT 139.

Instructor Permission required.

Additional Fee: 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>
17F1	Var	7:30AM-1:50PM	DAILY	07/03/17-09/01/17	03 306	Richards, G	

AUTOMOTIVE TECHNICIAN

AUT 174 ENGINE MINOR MECHANICAL REPAIR

Diagnose and repair general engine mechanical, lubrication, and cooling-system problems. Upon completion of this course, the student will be familiar with the terminology, basic theory, diagnostics, and minor engine mechanical service and repair procedures. Prerequisite(s): Must have required tools and textbooks. Successful completion of IAUT 102, IAUT 104, IAUT 115, IAUT 130, and IAUT 139. Co-requisites: AUT 175 and AUT 178.

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>
4601	6 Cr	7:30AM-1:50PM	DAILY	07/03/17-09/01/17	03 701	Smith, Michea	

AUT 175 ENGINE MAJOR MECHANICAL REPAIR

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

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>
4611	7 Cr	7:30AM-1:50PM	DAILY	07/03/17-09/01/17	03 701	Smith, Michea	

AUT 178 ENGINE MECHANICAL LAB

Repair engine components by applying knowledge attained in required courses. This is a hands-on

class that uses live projects. Upon completion of this course, the student will be familiar with diagnosis, maintenance and repair of automobile and light truck engines. Prerequisite(s): Must have required tools and textbooks.

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>
4621	3 Cr	7:30AM-1:50PM	DAILY	07/03/17-09/01/17	03 701	Smith, Michea	

AUT 217 AUTOMOTIVE IGNITION SYSTEMS

Diagnose and repair electronic and computer-controlled automotive ignition systems. Upon completion of this course, students will be familiar with the terminology, basic theory, and diagnostic and repair procedures used on automobiles and light trucks. Prerequisite(s): Must successfully complete courses AUT 174, 175, 178, 209, and 212 and must have required tools and textbooks. Co-requisites: AUT 223 and AUT 236.

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>
4661	7 Cr	7:30AM-1:50PM	DAILY	07/03/17-09/01/17	03 901	Covington, G	

AUT 223 AUTOMOTIVE FUEL SYSTEMS

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

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>
4671	7 Cr	7:30AM-1:50PM	DAILY	07/03/17-09/01/17	03 901	Covington, G	

AUT 236 AUTOMOTIVE EMISSIONS SYSTEMS

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

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>
4681	7 Cr	7:30AM-1:50PM	DAILY	07/03/17-09/01/17	03 901	Covington, G	

AUT 247 AUTOMATIC TRANSMISSIONS

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

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>
4631	7 Cr	7:30AM-1:50PM	DAILY	07/03/17-09/01/17	03 601	Brown, David	[HYBRID]

AUT 250 AUTOMATIC TRANSAXLES

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

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>
4641	7 Cr	7:30AM-1:50PM	DAILY	07/03/17-09/01/17	03 601	Brown, David	[HYBRID]

AUT 251 AUTOMATIC TRANSMISSIONS/TRANSAXLES LAB

This course is designed to teach students to competently repair automatic transmission/transaxle assemblies by applying knowledge attained in required courses. This is a hands-on class that uses live projects. Upon completion of this course, students will be familiar with diagnosis, maintenance, and repair of automobile/light truck drive trains by applying academic knowledge to hands-on projects.

Prerequisite(s): Must successfully complete courses AUT 247 and 250, and must have required tools and textbooks prior to entering this course.

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>
4651	4 Cr	7:30AM-1:50PM	DAILY	07/03/17-09/01/17	03 601	Brown, David	[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>
4401	4 Cr	7:00AM-1:00PM	DAILY	07/03/17-09/01/17	SHC116	Doyon, Greg	

AMT 125 ADVANCED ELECTRICITY

Understand the effect of resistance, capacitance, and inductance in AC circuits, and understand transformers. Learn about basic semi-conductor devices (diodes and transistors), and be able to explain their function in simple circuits.

Additional Fee: 69.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4411	4 Cr	7:00AM-1:00PM	DAILY	07/03/17-09/01/17	SHC116	Doyon, Greg	

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

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

Additional Fee: 69.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4471	4 Cr	7:00AM-1:00PM	DAILY	07/03/17-09/01/17	SHC117	Staff	

AMT 140 AIRCRAFT LANDING GEAR

Inspect, check, service, and repair landing gear retraction systems, shock struts, brakes, wheels, tires, and steering systems.

Additional Fee: 64.70

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location Faculty</u>	<u>Internet</u>
4441	3 Cr	7:00AM-1:00PM	DAILY	07/03/17-09/01/17	SHC117 Staff	

AMT 141 HYDRAULIC & PNEUMATIC POWER SYSTEMS

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

Additional Fee: 64.70

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location Faculty</u>	<u>Internet</u>
4451	3 Cr	7:00AM-1:00PM	DAILY	07/03/17-09/01/17	SHC117 Staff	

AMT 143 AIRFRAME ELECTRICAL SYSTEMS

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

Additional Fee: 74.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location Faculty</u>	<u>Internet</u>
4421	5 Cr	7:00AM-1:00PM	DAILY	07/03/17-09/01/17	SHC116 Doyon, Greg	

AMT 144 ENGINE ELECTRICAL SYSTEMS

Develop an understanding of the operation of generators, alternators, DC motors, and AC motors, and their repair and overhaul. Learn the special requirements of electrical components operating in high temperature areas and how to install wiring, controls, switches, and indicators, and to protect them from its effects.

Additional Fee: 74.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location Faculty</u>	<u>Internet</u>
4431	5 Cr	7:00AM-1:00PM	DAILY	07/03/17-09/01/17	SHC116 Doyon, Greg	

AMT 145 CABIN ATMOSPHERE CONTROL SYSTEMS

Physiological aspects of flight. Inspection and maintenance of oxygen, pressurization, heating, cooling, and air conditioning systems.

Additional Fee: 64.70

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location Faculty</u>	<u>Internet</u>
4461	3 Cr	7:00AM-1:00PM	DAILY	07/03/17-09/01/17	SHC117 Staff	

AMT 146 AIRCRAFT INSTRUMENT/COMMUN/NAVIGATION SYSTEMS

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

Additional Fee: 64.70

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location Faculty</u>	<u>Internet</u>
4481	3 Cr	7:00AM-1:00PM	DAILY	07/03/17-09/01/17	SHC117 Staff	

AMT 217 FAA TESTING & TURBINE ENGINES

Covers preparation for and completion of FAA certification examinations. FAA written examinations are

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

Additional Fee: 84.30

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4491	7 Cr	7:00AM-1:00PM	DAILY	07/03/17-09/01/17	SHC118	Creech, Danie	

AMT 219 ENGINE LUBRICATION SYSTEMS

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

Additional Fee: 69.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
44A1	4 Cr	7:00AM-1:00PM	DAILY	07/03/17-09/01/17	SHC118	Creech, Danie	

AMT 221 ENGINE INSTRUMENT SYSTEMS

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

Additional Fee: 69.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
44B1	4 Cr	7:00AM-1:00PM	DAILY	07/03/17-09/01/17	SHC118	Creech, Danie	

AMT 229 PROPELLERS & FAA FINAL TESTING

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

Additional Fee: 69.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
44G1	4 Cr	7:00AM-1:00PM	DAILY	07/03/17-09/01/17	SHC120	Vick, Phillip	

AMT 231 ENGINE INSPECTION

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

Additional Fee: 69.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
44C1	4 Cr	7:00AM-1:00PM	DAILY	07/03/17-09/01/17	SHC120	Vick, Phillip	

AMT 233 ENGINE IGNITION & STARTING SYSTEMS

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

Additional Fee: 69.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
44D1	4 Cr	7:00AM-1:00PM	DAILY	07/03/17-09/01/17	SHC120	Vick, Phillip	

AMT 235 INDUCTION, AIRFLOW, COOLING & EXHAUST SYSTEMS

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

Additional Fee: 64.70

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
44F1	3 Cr	7:00AM-1:00PM	DAILY	07/03/17-09/01/17	SHC120	Vick, Phillip	

BIOLOGY

BIOL& 160 GENERAL BIOLOGY W/LAB

Provides an introduction to cellular biology for students preparing for the health professions. Major concepts include the structure, reproduction, and metabolism of cells; genetics; ecological perspectives; and evolutionary biology. Summer 2017 lab times: Item number 0504: Wednesday and Friday from 11 a.m. to 12 p.m. Prerequisite(s): COMPASS reading score of 81 and writing score of 77 or successful completion of ENG 094.

Additional Fee: 54.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
0504	5 Cr	10:00AM-12:00PM	WF	07/05/17-09/01/17	21 235	Noffke, Wendy	[HYBRID]

BIOL& 175 HUMAN BIOLOGY W/LAB

An in-depth approach to body systems, emphasizing the relationship between structure and functions. A laboratory course appropriate for non-science majors or for students beginning study in life sciences. Summer 2017 lab times: Item number 0505 meets on Thursday 7/13 and 8/10 from 10 a.m. to 2 p.m. Prerequisites: Appropriate COMPASS/SLEP placement score or Instructor permission.

Additional Fee: 54.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
0505	5 Cr	ARRANGED	ARRANGED	07/03/17-09/01/17	ARR	Noffke, Wendy	[HYBRID]

BIOL& 241 ANATOMY & PHYSIOLOGY I

Provides students with the first course of the two-quarter study of body structure and related physiology on cellular through system levels. Includes an in-depth study of cells; tissues; and integumentary, skeletal, muscular, nervous, and sensory systems. Laboratory component included. Summer 2017 lab times: Item number 0506 WF 12:00 p.m. to 2:00 p.m. Prerequisite(s): Successful completion of BIOL& 160 with a grade of 2.0 or better and CHEM& 110 with a grade of 2.0 or better.

Additional Fee: 54.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
0506	5 Cr	12:00PM-2:00PM	WF	07/05/17-09/01/17	21 235	Noffke, Wendy	[HYBRID]

BIOL& 242 HUMAN ANATOMY & PHYSIOLOGY II

Provides students with the second course of the two-quarter study of body structure and related physiology on cellular through system levels. Includes an in-depth study of body organization and cardiovascular and lymphatic physiological processes. Includes immunology, respiratory, digestive, metabolic, excretory, reproductive, and endocrine systems. Laboratory component included. Summer 2017 lab times: Item number 0507 MW from 11 a.m. to 1:50 p.m. Prerequisite(s): Successful completion of BIOL& 241 with a grade of 2.0 or better.

Additional Fee: 54.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
0507	5 Cr	11:00AM-1:50PM	MW	07/03/17-08/30/17	21 231	Austin, Laura	[HYBRID]

BIOL& 260 MICROBIOLOGY

Provides students with the content of diversity, structure, and physiology of beneficial and harmful microbes. Laboratory practice in identification of microbial species through culturing, staining, and biochemical testing. Includes laboratory. Summer 2017 lab times: Item number 0508 Tuesday 7/24 and Thursday 07/20 from 10:00 a.m. to 2:00 p.m. Prerequisite(s): Successful completion of BIOL& 160 with a grade of 2.0 or better and CHEM& 110 with a grade of 2.0 or better.

Additional Fee: 54.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
0508	5 Cr	ARRANGED	ARRANGED	07/03/17-09/01/17	ARR	Noffke, Wendy	[HYBRID]

CENTRAL SERVICE/STERILE PROCESSING

MMN 129 PRINCIPLES & PRACTICES OF STERILIZATION

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

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>
8311	6 Cr	8:00AM-2:00PM	MTWTh	07/19/17-08/10/17	21 107	Wagers, Jane	[ENHANCED]

MMN 132 MATERIEL MGMT AND CENTRAL SERVICE APPLICATIONS

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

Additional Fee: 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>
8321	3 Cr	8:00AM-2:00PM	MTWTh	08/10/17-08/31/17	21 107	Wagers, Jane	[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. Spring Quarter Lab Times: item number 0512 F from 10 a.m. to 11:50 a.m., item number: 0513 F from 12 p.m. to 1:50 p.m. Co-requisites: Students who have not completed MAT 099 or achieved a COMPASS score of 76 or higher on College Algebra must take MAT 099 concurrently with this course.

Additional Fee: 59.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
0509	5 Cr	10:00AM-11:50AM	F	07/03/17-09/01/17	15 105	Holzapfel, Ge	[HYBRID]

CHEM& 121 INTRO TO CHEMISTRY

Understanding the metric system, atomic theory, bonding, quantitative relationships, solutions, gases, acids and bases, salts, and nuclear chemistry. Lab included. Summer 2017 Lab Times: item number 0510 F from 8 a.m. to 9:50 a.m. Prerequisite(s): Successful completion of CHEM& 110 or high school chemistry; co-requisite: MAT 099 or higher or appropriate COMPASS placement concurrently with this course.

Additional Fee: 59.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
0510	5 Cr	8:00AM-9:50AM	F	07/03/17-09/01/17	15 105	Holzapfel, Ge	[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. Summer Quarter Lab Times: Item number 0511 Friday's from 12 p.m. to 1:50 p.m.

Additional Fee: 59.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
0511	5 Cr	12:00PM-1:50PM	F	07/03/17-09/01/17	15 105	Holzapfel, Ge	[HYBRID]

COLLEGE SUCCESS FOR ALL

COLL 102 COLLEGE SUCCESS FOR ALL

College Success for All prepares students for success at Clover Park Technical College and beyond. This class is offered pass/fail and utilizes CANVAS, CPTC's online learning management system, to get students familiar with this learning environment. Designed to provide students with the basic skills to be successful in college by developing connections with campus resources, faculty, staff, and peers. The course includes 20 hours of classroom instruction and 20 hours of online and computer work. It includes, but is not limited to: study skills, learning styles, communication skills, time management, campus resources, test taking strategies, diversity, and campus policies and procedures. This class also includes mandatory safety and FERPA training, along with a component on using SALT for financial planning. Beginning in Fall 2016, this course is mandatory for all new students. This course requires attendance at an orientation before the quarter in the Student Center, Building 23. Prerequisite(s): None, but required for all students.

Additional Fee: 39.70

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
2P41	3 Cr	10:20AM-11:15AM	MWF	07/03/17-09/01/17	15 112	Holster, Elai	[HYBRID]
2P01	3 Cr	8:00AM-8:55AM	TWTh	07/05/17-08/31/17	14 102	Perkins, Petr	[HYBRID]
2P31	3 Cr	9:10AM-10:05AM	TWTh	07/05/17-08/31/17	15 112	Holster, Elai	[HYBRID]
2P51	3 Cr	11:30AM-12:25PM	TWTh	07/05/17-08/31/17	15 112	Vano, Jennie	[HYBRID]
2P61	3 Cr	12:40PM-1:35PM	TWTh	07/05/17-08/31/17	15 112	Mollas, Tula	[HYBRID]
2P81	3 Cr	3:00PM-3:55PM	TWTh	07/05/17-08/31/17	16 116	Mollas, Tula	[HYBRID]
2P91	3 Cr	7:00AM-7:50AM	TWTh	07/05/17-08/31/17	14 102	McGovern, Tly	[HYBRID]

COMPUTER APPLICATIONS

CAS 105 KEYBOARDING

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

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>
2001	3 Cr	8:00AM-8:55AM	MW	07/03/17-08/30/17	11 112	Westerberg, R	[HYBRID]
5701	3 Cr	ARRANGED	ARRANGED	07/03/17-09/01/17	ON LINE	Reygers, Ryan	[ONLINE]

CAS 115 INTRODUCTION TO COMPUTING

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

Additional Fee: 14.70

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
2011	3 Cr	9:10AM-10:50AM	MW	07/03/17-08/30/17	11 112	Westerberg, R	[HYBRID]

CAS 121 WORD I

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

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
2021	3 Cr	ARRANGED	ARRANGED	07/03/17-09/01/17	ON LINE	Westerberg, R	[ONLINE]

CAS 130 EXCEL I

Create and analyze professionally formatted spreadsheets. Enter data, formulas, and functions. Create charts and insert graphics. Sort and filter lists. Prerequisite(s): MAT 082 skills preferred.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
2031	3 Cr	ARRANGED	ARRANGED	07/03/17-09/01/17	ON LINE	Westerberg, R	[ONLINE]

CAS 141 POWERPOINT

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

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location Faculty</u>	<u>Internet</u>
2041	3 Cr	ARRANGED	ARRANGED	07/03/17-09/01/17	ON LINE Westerberg, R	[ONLINE]

CAS 145 PUBLISHER

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

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location Faculty</u>	<u>Internet</u>
2051	5 Cr	ARRANGED	ARRANGED	07/03/17-09/01/17	ON LINE Westerberg, R	[ONLINE]

CAS 151 ACCESS I

Develop basic relational databases as you create, edit, format, and print tables, queries, forms, and reports. Copy records and import tables from another Access database. Define field properties and create relationships. Run, sort, and filter queries. Use comparison and logical operators, and perform calculations. Explore the basics of creating a cohesive database. An introduction to chemistry intended for non-science majors. This course looks at how models of atoms, bonding, and the structures of materials provide an understanding of common chemical properties and reactions. Summer Quarter Lab Times: item number 0509 F from 10 a.m. to 11:50 a.m. Co-requisites: Students who have not completed MAT 099 or achieved a COMPASS score of 76 or higher on College Algebra must take MAT 099 concurrently with this course.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location Faculty</u>	<u>Internet</u>
2061	3 Cr	ARRANGED	ARRANGED	07/03/17-09/01/17	ON LINE Westerberg, R	[ONLINE]

COMPUTER PROGRAMMING AND WEB DEVELOPMENT

CPW 118 WEB DESIGN PRINCIPLES

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

Additional Fee: 24.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location Faculty</u>	<u>Internet</u>
5401	5 Cr	9:00AM-12:00PM	MW	07/03/17-08/30/17	11 107 Webster, Mark	[ENHANCED]

CPW 142 JAVA OBJECT-ORIENTED PROGRAMMING I

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

Additional Fee: 24.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location Faculty</u>	<u>Internet</u>
5411	5 Cr	1:00PM-4:00PM	MW	07/03/17-08/30/17	11 111W Meerdink, Ken	[ENHANCED]

CPW 206 ADVANCED WEB DESIGN

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

Additional Fee: 24.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location Faculty</u>	<u>Internet</u>
5421	5 Cr	9:00AM-12:00PM	MW	07/03/17-08/30/17	11 106 Dague, Bruce	[ENHANCED]

CPW 210 ADVANCED DATABASE PROGRAMMING

Advanced Database programming using a commercial database management system. Perform object creation, manipulation and control using SQL. Write simple and complex queries to solve problems using arithmetic expressions, functions, logical operators, aliases, etc. Perform different kinds of joins. Create advanced objects like stored procedures and triggers. Prerequisite: CPW 150 and CPW 101.

Additional Fee: 24.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location Faculty</u>	<u>Internet</u>
54B1	5 Cr	9:00AM-12:00PM	MW	07/03/17-08/30/17	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 Faculty</u>	<u>Internet</u>
5431	5 Cr	1:00PM-4:00PM	TTh	07/06/17-08/31/17	11 111E Ortiz, Joseph	[ENHANCED]

CPW 213 .NET WEB PROGRAMMING

Additional Fee: 24.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location Faculty</u>	<u>Internet</u>
5441	5 Cr	1:00PM-4:00PM	MW	07/03/17-08/30/17	11 111E Ortiz, Joseph	[ENHANCED]

CPW 218 C++

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

Additional Fee: 24.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location Faculty</u>	<u>Internet</u>
5451	5 Cr	9:00AM-12:00PM	MW	07/03/17-08/30/17	11 111W Meerdink, Ken	[ENHANCED]

CPW 222 CLIENT-SIDE WEB PROGRAMMING

Introduces the fundamentals of working with JavaScript. Applies variables, objects, arrays, strings, conditional statements, and external data to create dynamic, interactive web pages. Prerequisite(s): Successful completion of CPW 118, CPW 120, CPW 142.

Additional Fee: 24.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location Faculty</u>	<u>Internet</u>
5461	5 Cr	1:00PM-4:00PM	TTh	07/06/17-08/31/17	11 106 Dague, Bruce	[ENHANCED]

CPW 223 INTRODUCTION TO JAVASCRIPT

Additional Fee: 24.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location Faculty</u>	<u>Internet</u>
54A1	5 Cr	9:00AM-12:00PM	TTh	07/06/17-08/31/17	11 111E Ortiz, Joseph	[ENHANCED]

CPW 225 WEB ANIMATION

Build complex animated advertisements, interactive games and slideshows in both jQuery and Flash. Animate menu and DIV box transitions using HTML5, CSS3, and jQuery. Prerequisite(s): Successful completion of CPW 118, CPW 120.

Additional Fee: 24.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
5471	5 Cr	1:00PM-4:00PM	MW	07/03/17-08/30/17	11 107	Webster, Mark	[ENHANCED]

CPW 227 WEB DEVELOPMENT II

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

Additional Fee: 24.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
5481	5 Cr	9:00AM-12:00PM	TTh	07/06/17-08/31/17	11 106	Dague, Bruce	[ENHANCED]

CPW 245 DATA & LOGIC STRUCTURES

Expand your understanding of object-oriented programming techniques by implementing abstract data types as data structures in solving complex computing problems. Study the fundamental algorithms of computer science while using mathematical principles to analyze the efficiency of their implementation. Prerequisite(s): Successful completion of CPW 143.

Additional Fee: 24.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
5491	5 Cr	9:00AM-12:00PM	TTh	07/06/17-08/31/17	11 111W	Meerdink, Ken	[ENHANCED]

COMPUTER NETWORKING AND INFORMATION SYSTEMS SECURITY

NSS 101 IT ESSENTIALS I

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

Additional Fee: 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>
4701	5 Cr	8:00AM-3:00PM	MWF	07/03/17-08/04/17	16 107	Morris, Cath	[ENHANCED]
47U1	5 Cr	6:00PM-9:00PM	M	07/03/17-07/31/17	16 207	Lanphier, Jay	[HYBRID]

NSS 105 IT ESSENTIALS II

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

Additional Fee: 71.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4711	4 Cr	8:00AM-3:00PM	MWF	08/07/17-09/01/17	16 107	Morris, Cath	[ENHANCED]

47V1 4 Cr 6:00PM-9:00PM M 08/07/17-08/28/17 16 207 Lanphier, Jay [\[HYBRID\]](#)

NSS 109 CISCO NETWORKING I

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

Additional Fee: 76.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
47AA	5 Cr	6:00PM-9:00PM	W	07/05/17-08/30/17	16 209	Souza, Donal	[HYBRID]
4721	5 Cr	12:00PM-3:00PM	TTh	07/06/17-08/31/17	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>
4731	5 Cr	8:00AM-3:00PM	MWF	07/03/17-08/04/17	16 207	Lanphier, Jay	[ENHANCED]
47W1	5 Cr	6:00PM-9:00PM	W	07/05/17-08/02/17	16 207	Lanphier, Jay	[HYBRID]

NSS 125 MS DESKTOP SUPPORT II

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

Additional Fee: 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>
4741	4 Cr	8:00AM-3:00PM	MWF	08/07/17-09/01/17	16 207	Lanphier, Jay	[ENHANCED]
47X1	4 Cr	6:00PM-9:00PM	W	08/09/17-08/30/17	16 207	Lanphier, Jay	[HYBRID]

NSS 135 IMPLEMENTING SYSTEM SECURITY

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

Additional Fee: 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>
4751	4 Cr	12:00PM-3:00PM	TTh	07/06/17-08/31/17	16 207	Lanphier, Jay	[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>
47Y1	4 Cr	6:00PM-9:00PM	M	07/03/17-07/24/17	16 109	Souza, Donal	[HYBRID]
4761	4 Cr	8:00AM-11:00AM	TTh	07/06/17-08/31/17	16 109	Souza, Donal	[ENHANCED]

NSS 140 INTRO TO DATA ANALYSIS

Introduces the use of software to perform recovery of deleted or corrupted data. Techniques will be

used to demonstrate the use of statistical analysis practices to predict or show trends involving security issues of access, crime, or loss prevention.

Additional Fee: 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>
4771	5 Cr	8:00AM-11:00AM	TTh	07/06/17-08/31/17	16 207	Lanphier, Jay	[ENHANCED]

NSS 144 INTRODUCTION TO MICROSOFT SQL SERVER ADMINISTRAT

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

Additional Fee: 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>
4781	4 Cr	12:00PM-3:00PM	TTh	07/06/17-08/31/17	16 109	Turner, Jeffr	[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>
4791	4 Cr	8:00AM-11:00AM	TTh	07/06/17-08/31/17	16 107	Morris, Cath	

NSS 160 INTRODUCTION TO LINUX

Introduces the fundamentals of the Unix/Linux operating system, concepts, architecture, and administration. The student 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>
47A1	5 Cr	12:00PM-3:00PM	MWF	07/03/17-09/01/17	16 112	Randall Jody	[ENHANCED]

NSS 162 ADMINISTERING WINDOWS SERVER OS

Introduces the knowledge and skills necessary for systems administrators to successfully implement core services in windows server operating systems. Provides hands-on exercises where students learn to configure and manage a wide range of services, including Windows deployment services, distributed file systems, and backup and recovery procedures. Provides guidance for students pursuing industry certification. Prerequisite(s): Successful completion of NSS 139 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>
47B1	4 Cr	8:00AM-11:00AM	MWF	07/03/17-09/01/17	16 109	Souza, Donal	[ENHANCED]
47Z1	4 Cr	6:00PM-9:00PM	M	07/31/17-08/28/17	16 109	Souza, Donal	[HYBRID]

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>
47C1	4 Cr	8:00AM-10:30AM	TTh	04/06/17-08/31/17	16 111	Hollowell, Ke	[ENHANCED]

NSS 165 CONTINGENCY PLANNING

Course consists of an introduction to disaster recovery and contingency planning from an information technology (IT) perspective. It covers risk assessment, hazard analysis, business impact analysis, basic plan development, and long-range contingency planning, all of which provide basic concepts and recommended processes for long-range contingency planning.

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>
47D1	4 Cr	12:00PM-2:00PM	TTh	07/06/17-08/31/17	16 107	Morris, Cath	[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>
47F1	2 Cr	ARRANGED	ARRANGED	07/03/17-09/01/17	16 112	Randall Jody	[ENHANCED]

NSS 201 ADVANCED LINUX

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

Additional Fee: 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>
47G1	5 Cr	8:00AM-11:00AM	MWF	07/03/17-09/01/17	16 111	Hollowell, Ke	[ENHANCED]

NSS 205 ADVANCED WINDOWS SERVER CONFIGURATION

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

Additional Fee: 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>
47H1	5 Cr	12:00PM-3:00PM	MWF	07/03/17-09/01/17	16 109	Souza, Donal	[ENHANCED]

NSS 250 INTERNSHIP II

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

Additional Fee: 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>
47J1	2 Cr	ARRANGED	ARRANGED	07/03/17-09/01/17	16 112	Randall Jody	[ENHANCED]

NSSB 203 PENETRATION TESTING SECURITY AND ANALYSIS

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

Additional Fee: 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>
47K1	5 Cr	8:00AM-12:00PM	MTWTh	08/03/17-08/31/17	16 112	Randall Jody	

NSSB 210 NSSB SECURITY LEARNING LAB I

Provides opportunities for students to gain the knowledge, enhance their skills, and provide hands-on experience needed or required within the industry to be successful in the security field. Co-requisites: Concurrently enrolled in NSSB 203 and NSSB 232.

Additional Fee: 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>
47M1	3 Cr	8:00AM-12:00PM	F	07/07/17-09/01/17	16 112	Randall Jody	

NSSB 232 INVESTIGATION & RESPONSE

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

Additional Fee: 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>
47L1	5 Cr	8:00AM-12:00PM	MTWTh	07/03/17-08/02/17	16 112	Randall Jody	

NSSC 201 CISCO NETWORKING II

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

Additional Fee: 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>
47N1	5 Cr	8:00AM-11:00AM	MWF	07/03/17-08/04/17	16 209	Turner, Jeffr	[ENHANCED]
47AB	5 Cr	6:00PM-9:00PM	W	07/05/17-08/30/17	16 209	Turner, Jeffr	[HYBRID]

NSSC 203 CISCO NETWORKING III

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

Additional Fee: 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>
47AC	5 Cr	6:00PM-9:00PM	W	07/05/17-08/30/17	16 209	Turner, Jeffr	[HYBRID]
47P1	5 Cr	8:00AM-11:00AM	MWF	08/07/17-09/01/17	16 209	Turner, Jeffr	[ENHANCED]

NSSC 205 CISCO NETWORKING IV

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

Additional Fee: 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>
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47AD	5 Cr	6:00PM-9:00PM	W	07/05/17-08/30/17	16 209	Turner, Jeffr	[HYBRID]
47R1	5 Cr	8:00AM-11:00AM	TThF	07/06/17-08/01/17	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. Prerequisites: Concurrently enrolled in NSSC 200 (Cisco Networking I) & NSSC 201 (Cisco Networking II).

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>
47Q1	3 Cr	12:00PM-3:00PM	MWF	07/03/17-09/01/17	16 209	Turner, Jeffr	

NSSC 208 MANAGING NETWORK SECURITY

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

Additional Fee: 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>
47S1	5 Cr	8:00AM-11:00AM	TThF	08/03/17-09/01/17	16 209	Turner, Jeffr	[ENHANCED]

NSSC 210 CISCO LEARNING LAB II

Provides opportunities for students to gain the knowledge, skills, and hands-on experience needed to prepare for the Cisco CCNA certification exam. Prerequisites: Concurrently enrolled in NSSC 203 (Cisco Networking III) & NSSC 205 (Cisco Networking IV).

Additional Fee: 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>
47T1	3 Cr	12:00PM-3:00PM	TThF	07/06/17-09/01/17	16 209	Turner, Jeffr	

ACIR 200 INTRODUCTION TO CYBER INCIDENT RESPONSE

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

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

Instructor Permission required.

Additional Fee: 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>
47AF	3 Cr	6:00PM-9:00PM	TTh	07/06/17-08/03/17	16 112	Randall Jody	[HYBRID]

ACIR 210 RESPONSE PLANNING AND NETWORK PROTECTION

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

Instructor Permission required.

Additional Fee: 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>
47AG	4 Cr	6:00PM-9:00PM	TTh	08/08/17-08/31/17	16 112	Randall Jody	[HYBRID]

CONSTRUCTION

CONST 105 MEASUREMENT, TOOLS & SAFETY

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

Additional Fee: 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>
2201	2 Cr	8:00AM-2:30PM	DAILY	07/03/17-09/01/17	05 100	Quinlan, Jame	

CONST 108 SITE LEVELING, PLANS, CODES & MATERIALS

Introduction to use and operation of a builder level, including leveling and squaring a building site. Covers building plans, codes, inspections, and construction materials. ""

Additional Fee: 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>
2211	2 Cr	8:00AM-2:30PM	DAILY	07/03/17-09/01/17	05 100	Quinlan, Jame	

CONST 112 FOOTINGS & FOUNDATIONS

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

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>
2221	3 Cr	8:00AM-2:30PM	DAILY	07/03/17-09/01/17	05 100	Quinlan, Jame	

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>
2231	3 Cr	8:00AM-2:30PM	DAILY	07/03/17-09/01/17	05 100	Quinlan, Jame	

CONST 120 WALL FRAMING, SHEETING & CEILINGS

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

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>
2241	5 Cr	8:00AM-2:30PM	DAILY	07/03/17-09/01/17	05 100	Quinlan, Jame	

CONST 122 ROOF FRAMING

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

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>
2251	5 Cr	8:00AM-2:30PM	DAILY	07/03/17-09/01/17	05 100	Quinlan, Jame	

CONST 126 ROOFING MATERIALS & INSTALLATION

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

Additional Fee: 32.25

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
2261	3 Cr	8:00AM-2:30PM	DAILY	07/03/17-09/01/17	05 100	Quinlan, Jame	

CONST 130 STAIRWAY CONSTRUCTION

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

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>
2271	4 Cr	8:00AM-2:30PM	DAILY	07/03/17-09/01/17	05 100	Quinlan, Jame	

CONST 134 EXTERIOR FINISH

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

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>
2281	3 Cr	8:00AM-2:30PM	DAILY	07/03/17-09/01/17	05 100	Quinlan, Jame	

CONST 138 INTERIOR FINISH I

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

Additional Fee: 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>
2291	3 Cr	8:00AM-2:30PM	DAILY	07/03/17-09/01/17	05 100	Quinlan, Jame	

CONST 142 INTERIOR FINISH II

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

Additional Fee: 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>
22A1	3 Cr	8:00AM-2:30PM	DAILY	07/03/17-09/01/17	05 100	Quinlan, Jame	

CONST 146 DECK CONSTRUCTION

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

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>
22B1	3 Cr	8:00AM-2:30PM	DAILY	07/03/17-09/01/17	05 100	Quinlan, Jame	

CONST 150 CARPENTRY TRADES

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

Additional Fee: 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>
22C1	1 Cr	8:00AM-2:30PM	DAILY	07/03/17-09/01/17	05 100	Quinlan, Jame	

CONSTRUCTION - SUSTAINABLE BUILDING SCIENCE

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>
3001	5 Cr	8:00AM-8:50AM	DAILY	07/03/17-09/01/17	03 205	Freyre, Marie	
3011	5 Cr	ARRANGED	ARRANGED	07/03/17-09/01/17	ON LINE	Freyre, Marie	[ONLINE]
3021	5 Cr	ARRANGED	ARRANGED	07/03/17-09/01/17	ON LINE	Scott, Patric	[ONLINE]
3031	5 Cr	ARRANGED	ARRANGED	07/03/17-09/01/17	ON LINE	Freyre, Marie	[ONLINE]

CAH 105 COMPUTER APPLICATIONS

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

Additional Fee: 24.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
3041	5 Cr	10:10AM-11:10AM	DAILY	07/03/17-09/01/17	21 106	Mandley, L	[HYBRID]
3051	5 Cr	11:20AM-12:20PM	DAILY	07/03/17-09/01/17	21 106	Mandley, L	[HYBRID]
3061	5 Cr	3:00PM-6:00PM	MW	07/03/17-09/01/17	21 106	Mandley, L	[HYBRID]

COSMETOLOGY

COSMO 112 INFECTION CONTROL PRINCIPLES AND PRACTICES

Acquire knowledge for successful and responsible infection control, first aid, and safety. Learn concepts of microbiology, safe handling of tools, proper dispensing of chemicals, Barbicide certification and how to prevent the spread of bacteria in a school or salon.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
53P1	2 Cr	3:00PM-9:30PM	DAILY	07/03/17-07/07/17	08 208	Chiaro, Loree	[HYBRID]
5301	2 Cr	7:30AM-3:30PM	TWThF	07/05/17-07/12/17	08 207	Maguire, Patr	[HYBRID]

COSMO 116 GENERAL SCIENCE OF HAIR

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

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
53Q1	5 Cr	3:00PM-9:30PM	DAILY	07/10/17-07/21/17	08 208	Chiaro, Loree	[HYBRID]
5311	5 Cr	7:30AM-3:00PM	TWThF	07/13/17-07/21/17	08 207	Maguire, Patr	[HYBRID]

COSMO 123 COSMETOLOGY FUNDAMENTALS

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

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
53R1	2 Cr	3:00PM-9:30PM	DAILY	07/24/17-07/28/17	08 208	Chiaro, Loree	[HYBRID]
5321	2 Cr	7:30AM-3:00PM	TWThF	07/25/17-07/28/17	08 207	Maguire, Patr	[HYBRID]

COSMO 136 APPLICATIONS OF HAIRCUTTING AND HAIRSTYLING

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
53S1	14 Cr	3:00PM-9:30PM	DAILY	07/31/17-09/01/17	08 208	Chiaro, Loree	[HYBRID]
5331	14 Cr	7:30AM-3:00PM	TWThF	08/01/17-09/01/17	08 207	Maguire, Patr	[HYBRID]

COSMO 142 ADVANCED APPLICATIONS OF HAIRCUTTING & HAIRSTYLING

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

Additional Fee: 81.15

<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>
5341	4 Cr	7:30AM-3:00PM	ThF	07/05/17-07/21/17	08 205	Ganyon, Miche	[HYBRID]

COSMO 146 CHEMICAL TEXTURE SERVICE

Presents the three main concepts of chemical texturizing: perming, relaxing with chemicals, and reforming curls. This course covers the theory of chemical texturizing, tools used to achieve desired effects, infection control principles and practices, and client consultation. Prerequisite(s): Successful completion of COSMO 112, COSMO 116, COSMO 123, and COSMO 136.

Additional Fee: 81.15

<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>
53A1	6 Cr	7:30AM-3:00PM	T	07/11/17-08/15/17	08 205	Frederick, Sa	[HYBRID]

COSMO 158 GENERAL SCIENCE OF HAIR COLORING

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

Additional Fee: 81.15

<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>
5351	7 Cr	7:30AM-3:00PM	ThF	07/27/17-09/01/17	08 205	Ganyon, Miche	[HYBRID]

COSMO 163 LAB CLINIC I

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

Additional Fee: 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>
5371	9 Cr	7:30AM-3:00PM	TF	07/07/17-09/01/17	08 CL#2	Klug, Denise	

COSMO 164 LAB CLINIC I

Expand skills and knowledge by offering services to live models/clients in CPTC's student clinic, a realistic salon environment. This course reinforces skills learned within the Cosmetology program and

provides practice in advanced hairstyling and haircutting. Prerequisite(s): Successful completion of COSMO 112, COSMO 116, COSMO 123, and COSMO 136.

Additional Fee: 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>
53B1	8 Cr	7:30AM-3:00PM	TW	07/05/17-08/30/17	08 CL#1	Ganyon, Miche	

COSMO 172 LAB CLINIC III

Gain hands-on experience in Clover Park Technical College's student clinic. Skills learned in previous quarters will be reinforced, in addition to chemical texturizing and nail care services. Prerequisite(s): Successful completion of COSMO 163 or instructor approval.

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>
53B1	10 Cr	7:30AM-3:00PM	T	08/15/17-08/29/17	08 205	Frederick, Sa	[HYBRID]

COSMO 175 COSMETOLOGY SALON BUSINESS PRACTICES

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

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
53C1	3 Cr	7:30AM-3:00PM	WThF	07/05/17-09/01/17	08 205	Frederick, Sa	[HYBRID]

COSMO 181 ARTIFICIAL HAIR

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

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
5381	2 Cr	7:30AM-3:00PM	WTh	08/23/17-08/31/17	08 208	Klug, Denise	[HYBRID]

COSMO 226 ADVANCED HAIR COLORING

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

Additional Fee: 81.15

<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>
5391	8 Cr	7:30AM-3:00PM	WTh	07/05/17-08/30/17	08 208	Klug, Denise	[HYBRID]

COSMO 229 CLOVER PARK PRACTICAL PREPARATION

Prepares students to take the Washington State Cosmetology Practical Board Exam. 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: 81.15

<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>
53D1	4 Cr	7:30AM-3:00PM	TWThF	07/05/17-08/30/17	08 CL#4	Lind, Connie	

COSMO 231 LAB CLINIC IV

Hands-on learning experience in Cosmetology clinic. Students will reinforce skills and knowledge

through client and student interactions. Prerequisite(s): Successful completion of COSMO 172 or instructor approval.

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>
53F1	10 Cr	7:30AM-3:00PM	WThF	07/12/17-08/25/17	08 CL#4	Lind, Connie	

COSMO 236 STATE BOARD WRITTEN TEST REVIEW

Prepares students to take the Washington State Cosmetology Written Board Exam. 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>
53G1	3 Cr	7:30AM-3:00PM	T	07/11/17-08/29/17	08 205	Lind, Connie	[HYBRID]

COSMO 244 COSMETOLOGY CAPSTONE

Independently demonstrate knowledge and integration of cosmetology skills and concepts gained through the program. In this course, students submit a cumulative portfolio that demonstrates achievement of the program's student learning outcomes. Students may also participate in work experience opportunities that will round out their skills and prepare them for employment.

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: 81.15

<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>
53H1	3 Cr	7:30AM-3:00PM	TWThF	07/05/17-09/01/17	08 205	Lind, Connie	[HYBRID]

COSMO 248 INDUSTRY INTERNSHIP I

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

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>
53J1	1 Cr	ARRANGED	ARRANGED	07/05/17-09/01/17	08 208	Lind, Connie	

COSMO 250 INDUSTRY INTERNSHIP II

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

Additional Fee: 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>
53K1	2 Cr	ARRANGED	ARRANGED	07/05/17-09/01/17	08 208	Lind, Connie	

COSMO 252 INDUSTRY INTERNSHIP III

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

Additional Fee: 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>
53L1	3 Cr	ARRANGED	ARRANGED	07/05/17-09/01/17	08 208	Lind, Connie	

COSMO 254 INDUSTRY INTERNSHIP IV

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

licensing requirements. Prerequisite: Successful completion of COSMO 230.

Additional Fee: 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>
53M1	4 Cr	ARRANGED	ARRANGED	07/05/17-09/01/17	08 208	Lind, Connie	

COSMO 256 INDUSTRY INTERNSHIP V

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

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>
53N1	5 Cr	ARRANGED	ARRANGED	07/05/17-09/01/17	08 208	Lind, Connie	

CULINARY ARTS

CUL 104 SANITATION IN FOOD SERVICE OPERATIONS

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

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
3231	3 Cr	11:00AM-1:45PM	MT	07/03/17-08/01/17	31 100	Massey, Richa	[ENHANCED]

CUL 107 PROFESSIONAL COOKING I

Provides the student with a general understanding of the professional kitchen. Topics include kitchen safety, dishwasher procedures, how to handle food in a safe environment, selection and caring of knives, understanding of how a professional kitchen is organized and the rationale, cleaning, and function of kitchen equipment. Students will learn to cut foods in a variety of shapes as well as recognize and use a variety of herbs and spices.

Instructor Permission required.

Additional Fee: 135.30

<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>
3221	7 Cr	7:00AM-9:00AM	DAILY	07/03/17-09/01/17	31 100	Massey, Richa	[ENHANCED]

CUL 109 COOKING METHODS I

Introduces students to the experience of preparing and cooking meals for restaurant service. Students will be given assignments and will rotate through restaurant stations throughout the quarter. Students will learn dish washing and basic food preparation, reading and following standardized recipes, along with deli operations and station organization.

Instructor Permission required.

Additional Fee: 135.30

<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>
3201	7 Cr	9:00AM-1:45PM	WThF	07/05/17-09/01/17	31 100	Massey, Richa	[ENHANCED]

CUL 111 FOOD PREPARATION I

Practice and apply the skills of a restaurant cook. They will learn the importance of organizing and planning their work stations as well as preparing items needed prior to actual cooking. Topics include fruit and vegetable varieties, uses, and preparation.

Instructor Permission required.

Additional Fee: 135.30

<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>
3241	3 Cr	9:00AM-2:00PM	MT	08/07/17-08/29/17	31 100	Massey, Richa	[ENHANCED]

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: 135.30

<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>
3211	7 Cr	9:00AM-1:45PM	WThF	07/05/17-09/01/17	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: 135.30

<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>
3251	7 Cr	9:00AM-1:45PM	WThF	07/05/17-09/01/17	31 100	Massey, Richa	

DENTAL ASSISTANT

DAS 120 DENTAL SCIENCES II

Explores the general characteristics and uses of dental materials, and covers oral pathology conditions in the oral cavity. This course is also designed to provide the necessary information to accurately identify each of the body's systems, and functions, and how they interact with each other. The student will explore the structures of the head and oral cavity. Prerequisite(s): Students must successfully complete DAS 103, 105, 110, 113, 116, and 118 prior to continuing in the Dental Assistant Program.

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>
7771	5 Cr	12:00PM-2:00PM	TTh	07/06/17-08/31/17	21 109	Lewandowski	[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>
7781	6 Cr	1:00PM-2:00PM	M	07/03/17-08/28/17	21 109	Lewandowski	[HYBRID]

DAS 130 DENTAL SPECIALITIES I

Explores in depth the dental specialties of endodontics, orthodontics, and periodontics. This course introduces the students to periodontal charting. Prerequisite(s): Students must successfully complete DAS 103, 105, 110, 113, 116, and 118 prior to continuing in the Dental Assistant Program.

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>
7701	3 Cr	1:30PM-3:00PM	W	07/05/17-08/30/17	21 109	Lewandowski	[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>
7791	5 Cr	12:00PM-1:00PM	MW	07/10/17-08/31/17	21 109	Lewandowski	[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>
77A1	1 Cr	ARRANGED	ARRANGED	07/03/17-08/21/17	21 109	Lewandowski	[HYBRID]

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>
7711	10 Cr	ARRANGED	ARRANGED	07/03/17-09/01/17	ARR	Wirth, R	[HYBRID]

DAS 243 CERTIFICATION REVIEW III

DAS 243 CERTIFICATION REVIEW III 1CR Prepares the student to take the final component of the Dental Assistant National Board exam, General Chairside. Upon successful completion of the exam and all Dental Assistant courses, students will receive their Certified Dental Assistant credentials and will be eligible for graduation. Prerequisite(s): Students must successfully complete DAS 103, 105, 110, 113, 116, 118, 120, 125, 130, 135, 140, 223, 224, 226, 228, and 237, their Infection Control certification, and their Radiation Health & Safety component prior to continuing in the Dental Assistant Program.

Additional Fee: 274.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
7721	1 Cr	ARRANGED	ARRANGED	07/03/17-09/01/17	ARR	Wirth, R	[HYBRID]

DBOA 103 DENTAL TERMINOLOGY & PROCEDURES

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

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
7731	4 Cr	ARRANGED	ARRANGED	07/03/17-09/01/17	ON LINE	Wirth, R	[ONLINE]

DBOA 111 DENTAL CHARTING, SCHEDULING & RECALL MANAGEMENT

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

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
7741	5 Cr	ARRANGED	ARRANGED	07/03/17-09/01/17	ON LINE	Wirth, R	[ONLINE]

DBOA 119 DENTAL DOCUMENTS AND INVENTORY SYSTEMS

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

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
7751	4 Cr	ARRANGED	ARRANGED	07/03/17-09/01/17	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>
7761	2 Cr	ARRANGED	ARRANGED	07/03/17-09/01/17	ON LINE	Wirth, R	[ONLINE]

DIGITAL ENTERTAINMENT DESIGN AND PRODUCTION

DED 110 DIGITAL PHOTOGRAPHY I

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>
9001	4 Cr	1:00PM-6:00PM	Th	07/05/17-09/02/17	11 142A	Felch, Chris	[ENHANCED]

DED 112 DIGITAL ART I

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>
9011	4 Cr	1:00PM-6:00PM	T	07/05/17-09/02/17	11 107	Felch, Chris	[ENHANCED]

DED 130 STORYBOARDING

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>
9031	3 Cr	1:00PM-5:00PM	W	07/05/17-09/02/17	11 142A	Felch, Chris	[ENHANCED]

DED 135 MOTION GRAPHICS I

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>
9021	4 Cr	1:00PM-6:00PM	M	07/05/17-09/02/17	11 107	Felch, Chris	[ENHANCED]

EARLY CARE AND EDUCATION

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.

Additional Fee: 6.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4101	2 Cr	5:30PM-8:30PM	Th	07/06/17-08/17/17	10 111	Chase-Deitri	

ECE 134 ISSUES AND TRENDS GREEN

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

Additional Fee: 6.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4111	2 Cr	5:00PM-6:00PM	M	07/10/17-08/28/17	10 111	Colombini, Li	

ECE 135 SCHOOL AGE MATH, SCIENCE, AND TECHNOLOGY

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

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4121	3 Cr	ARRANGED	ARRANGED	07/05/17-09/01/17	ON LINE	Kaasa, Meliss	[ONLINE]

ECE 190 PRACTICUM 4: GREEN

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

Additional Fee: 9.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4141	3 Cr	5:00PM-6:00PM	M	07/10/17-08/28/17	10 111	Colombini, Li	

ECE 194 PRACTICUM 4: THE EMOTIONALLY INTELLIGENT CHILD

Provides the student with the opportunity for practical field experience with an emotional intelligence

specialization. Includes a seminar component.

Additional Fee: 9.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4151	3 Cr	5:00PM-6:00PM	M	07/10/17-08/28/17	10 111	Colombini, Li	

ECE 198 PRACTICUM 4: WORKING WITH FAMILIES

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

Additional Fee: 9.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4161	3 Cr	5:00PM-6:00PM	M	07/10/17-08/28/17	10 111	Colombini, Li	

ECE 219 PRACTICUM 4: RESPONSIVE CAREGIVING FOR INFANTS

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

Additional Fee: 9.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4171	3 Cr	5:00PM-6:00PM	M	07/10/17-08/28/17	10 111	Colombini, Li	

ECED& 100 BASIC CHILD CARE TRAINING (STARS)

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

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4181	3 Cr	ARRANGED	ARRANGED	07/05/17-09/01/17	ON LINE	Felch, Linda	[ONLINE]

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>
41A1	5 Cr	ARRANGED	ARRANGED	07/05/17-09/01/17	ON LINE	Havens, Amber	[ONLINE]

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.

Additional Fee: 15.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
41B1	5 Cr	4:00PM-5:00PM	M	07/10/17-08/28/17	10 111	Colombini, Li	

ECS 217 PRACTICUM IV INFANTS AND TODDLERS

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

Additional Fee: 9.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
41C1	3 Cr	5:00PM-6:00PM	M	07/10/17-08/28/17	10 111	Colombini, Li	

41M1 3 Cr 6:00PM-9:00PM M 07/10/17-08/28/17 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: 9.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
41N1	3 Cr	5:00PM-6:00PM	M	07/10/17-08/28/17 10 111		Colombini, Li	

ELECTRICIAN LOW VOLTAGE FIRE/SECURITY

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

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

Instructor Permission required.

Additional Fee: 25.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
5801	7 Cr	7:30AM-3:00PM	DAILY	07/03/17-09/01/17 14 213		Gordon, James	

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

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

Instructor Permission required.

Additional Fee: 25.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
5811	7 Cr	7:30AM-3:00PM	DAILY	07/03/17-09/01/17 14 213		Gordon, James	

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

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

Instructor Permission required.

Additional Fee: 25.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
5821	7 Cr	7:30AM-3:00PM	DAILY	07/03/17-09/01/17 14 213		Gordon, James	

EFS 108 NATIONAL ELECTRICAL CODE PRINT READING

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

Instructor Permission required.

Additional Fee: 25.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
5831	7 Cr	7:30AM-3:00PM	DAILY	07/03/17-09/01/17 14 213		Gordon, James	

EFS 109 NATIONAL ALARM INSTALLER TRAINING PROGRAM

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

Instructor Permission required.

Additional Fee: 25.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
5841	7 Cr	7:30AM-3:00PM	DAILY	07/03/17-09/01/17	14 213	Gordon, James	

EFS 110 CCTV APPLICATION & DESIGN

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

Instructor Permission required.

Additional Fee: 25.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
5851	7 Cr	7:30AM-3:00PM	DAILY	07/03/17-09/01/17	14 213	Gordon, James	

EFS 118 NATIONAL ELECTRICAL CODES

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

Instructor Permission required.

Additional Fee: 25.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
5861	6 Cr	7:30AM-3:00PM	DAILY	07/03/17-09/01/17	14 213	Gordon, James	

EFS 119 NATIONAL FIRE CODES

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

Instructor Permission required.

Additional Fee: 25.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
5871	6 Cr	7:30AM-3:00PM	DAILY	07/03/17-09/01/17	14 213	Gordon, James	

EFS 121 CCTV FIELD SERVICE & INSTALLATION

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

Instructor Permission required.

Additional Fee: 25.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
5881	7 Cr	7:30AM-3:00PM	DAILY	07/03/17-09/01/17	14 213	Gordon, James	

EFS 124 WASHINGTON ADMINISTRATIVE CODES

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

Instructor Permission required.

Additional Fee: 25.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
5891	2 Cr	7:30AM-3:00PM	DAILY	07/03/17-09/01/17	14 213	Gordon, James	

EFS 207 ADDRESSABLE FIRE SLC SYSTEMS/DESIGN

Introduces Addressable and Intelligent Fire Alarm Systems using Signaling Line Circuits (SLC). Includes comprehensive lessons, lecture, and hands-on practical application and design.

Prerequisite(s): Successful completion of the 78-credit hour Electrician Low Voltage Fire/Security Certificate, or instructor's permission.

Instructor Permission required.

Additional Fee: 25.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
58A1	7 Cr	7:30AM-3:00PM	DAILY	07/03/17-09/01/17	14 213	Gordon, James	

EFS 211 BIOMETRICS ACCESS

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

Instructor Permission required.

Additional Fee: 25.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
58B1	7 Cr	7:30AM-3:00PM	DAILY	07/03/17-09/01/17	14 213	Gordon, James	

EFS 216 ADVANCED VOICE EVACUATION FIRES SYSTEMS

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

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

Instructor Permission required.

Additional Fee: 25.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
58C1	7 Cr	7:30AM-3:00PM	DAILY	07/03/17-09/01/17	14 213	Gordon, James	

EFS 221 FIRE CODES, NICET, NFPA

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

Instructor Permission required.

Additional Fee: 25.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
58D1	7 Cr	7:30AM-3:00PM	DAILY	07/03/17-09/01/17	14 213	Gordon, James	

EFS 226 HIGH SECURITY STRUCTURED CABLING

Introduces High Security Structured Cabling in residential and commercial applications. Explores cabling as a total package. Includes most applications of security and low voltage needs. Includes comprehensive lessons, lecture, and hands-on practical application, installation, and design.

Prerequisite(s): Successful completion of EFS 221 or instructor's permission.

Instructor Permission required.

Additional Fee: 25.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
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58F1 7 Cr 7:30AM-3:00PM DAILY 07/03/17-09/01/17 14 213 Gordon, James

EFS 231 CCTV DIGITAL NETWORK SOLUTIONS

Introduces Closed Circuit Television (CCTV) Digital Network Solutions. Explores applications that require the camera to be recorded and viewed digitally or remotely via various networks. Includes comprehensive lessons, lecture, and hands-on practical application, installation, and design.

Prerequisite(s): Successful completion of EFS 226, or instructor's permission.

Instructor Permission required.

Additional Fee: 25.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
58G1	7 Cr	7:30AM-3:00PM	DAILY	07/03/17-09/01/17 14 213		Gordon, James	

ENGLISH

ENG 082 BASIC READING AND WRITING

Introduces and develops basic reading and writing skills. Focus in on writing proper sentences and sound paragraphs which express a main idea clearly and fully with a minimum of errors in sentence structure,punctuation and spelling. Coursework emphasizes writing from observation as well as writing in response to reading. Helps refine comprehension and increase vocabulary for college level reading requirements. Prerequisite: Appropriate COMPASS/SLEP placement scores. Prerequisite(s):

Appropriate COMPASS (41 in reading, 13 in writing) placement score.

Additional Fee: 24.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
5W01	5 Cr	10:20AM-11:15AM	DAILY	07/03/17-09/01/17 16 205		Staff	[ENHANCED]

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 electroniccommunication tools will be used.

Prerequisite: Appropriate COMPASS/ SLEP placement score or successful completion of ENG 082. acement score or successful completion of ENG 082.

Additional Fee: 24.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
5W02	5 Cr	8:00AM-8:55AM	DAILY	07/03/17-09/01/17 16 205		Quincy, Denis	[HYBRID]
5W03	5 Cr	9:10AM-10:05AM	MTW	07/03/17-08/30/17 16 205		Mollas, Tula	[ENHANCED]
5W04	5 Cr	11:30AM-12:25PM	DAILY	07/03/17-09/01/17 16 205		Martindale, K	[ENHANCED]
5W05	5 Cr	12:40PM-1:35PM	DAILY	07/03/17-09/01/17 16 205		Heath, Terry	[ENHANCED]

ENGL& 101 ENGLISH COMPOSITION I

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

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

Additional Fee: 24.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
0517	5 Cr	9:10AM-10:05AM	DAILY	07/03/17-09/01/17 15 111		Staff	[HYBRID]

0518	5 Cr	11:30AM-12:25PM	DAILY	07/03/17-09/01/17	17 230	Staff	[ENHANCED]
0520	5 Cr	ARRANGED	ARRANGED	07/03/17-09/01/17	ON LINE	Staff	[ONLINE]
0521	5 Cr	ARRANGED	ARRANGED	07/03/17-09/01/17	ON LINE	Staff	[ONLINE]
0519	5 Cr	12:40PM-3:20PM	TTh	07/06/17-08/31/17	17 230	Martindale, K	[HYBRID]

ENVIRONMENTAL SCIENCE

ENV 134 HAZARDOUS WASTESITE OPERATIONS

This course consists of 80 hrs. of instruction and training in hazardous materials, personal protection, and safety, in compliance with OSHA 1910.120 and Washington WISHA required training for hazardous waste site workers.

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>
4501	7 Cr	9:10AM-3:00PM	MTWTh	07/03/17-07/27/17	16 102	Smith Kathy	
4511	7 Cr	9:15AM-2:45PM	MTWTh	08/07/17-08/31/17	16 102	Smith Kathy	

ENV 240 INTERNSHIP

All students finishing the program are required to complete an internship. This is a temporary full-time position in the public or private sector where the student gains confidence and experience in a chosen area of employment. Students experience on-the-job opportunities and make a skilled contribution to the internship provider. Opportunities to find internships are provided, but the student is in charge of finding his or her own internship. Prerequisite(s): Successful completion of ENV 231, ENV 245, ENV 260, and ENV 270, or instructor permission. Enrollment in ENV 246, Environmental Science Capstone required.

Additional Fee: 63.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4521	10 Cr	0:RM-0:M	DAILY	07/03/17-09/01/17	ARR	Fritz, Andrew	

ENV 246 ENVIRONMENTAL SCIENCE CAPSTONE

This course accompanies ENV 240 Internship. The Capstone Project integrates the CPTC core abilities with the internship and identification of how core abilities apply in the workforce. Prerequisite(s): Successful completion of ENV 231, ENV 245, ENV 260, and ENV 270, or instructor permission. Enrollment in ENV 240, Internship required.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4531	2 Cr	ARRANGED	ARRANGED	07/03/17-09/01/17	ON LINE	Smith Kathy	

ENV 251 AIR POLLUTION & NOISE MONITORING

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>
4541	7 Cr	9:15AM-2:00PM	DAILY	07/11/17-07/27/17	16 104	Fritz, Andrew	[HYBRID]
4551	7 Cr	9:15AM-2:00PM	DAILY	08/01/17-08/18/17	16 104	Fritz, Andrew	[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.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
6211	2 Cr	8:30AM-9:30AM	DAILY	07/03/17-09/01/17	02 123	Shields, Maur	

ES 110 HISTOLOGY & PHYSIOLOGY OF THE SKIN

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

Additional Fee: 69.70

<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>
6221	4 Cr	9:30AM-10:30AM	DAILY	07/03/17-09/01/17	02 123	Shields, Maur	

ES 113 INTRODUCTION TO COSMETIC CHEMISTRY

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

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
6231	3 Cr	10:30AM-11:30AM	DAILY	07/03/17-09/01/17	02 123	Shields, Maur	

ES 114 FACIAL PROCEDURES

Additional Fee: 69.70

<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>
62J1	5 Cr	8:00AM-2:30PM	DAILY	07/03/17-07/20/17	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.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
6251	4 Cr	1:00PM-2:00PM	DAILY	07/03/17-09/01/17	02 123	Shields, Maur	

ES 118 TEMPORARY HAIR REMOVAL

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>
62K1	4 Cr	8:00AM-2:30PM	DAILY	07/21/17-08/01/17	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.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
6241	5 Cr	11:30AM-12:30PM	DAILY	07/03/17-09/01/17	02 123	Shields, Maur	

ES 123 BACTERIOLOGY, SAFETY, AND SANITATION

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

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
6201	4 Cr	7:30AM-8:30AM	DAILY	07/03/17-09/01/17	02 123	Shields, Maur	

ES 130 MAKEUP APPLICATION

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

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
62L1	2 Cr	8:00AM-2:30PM	DAILY	08/02/17-08/08/17	08 319	Whipple, Jenn	[HYBRID]

ES 132 SKIN CARE AND BODY TREATMENTS

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

Additional Fee: 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>
62M1	4 Cr	8:00AM-2:30PM	DAILY	08/09/17-08/21/17	08 319	Whipple, Jenn	[HYBRID]

ES 134 MACHINE FACIALS

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

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
62N1	4 Cr	8:00AM-2:30PM	DAILY	08/22/17-08/28/17	08 319	Whipple, Jenn	[HYBRID]

ES 136 MICRODERMABRASION AND SUPERFICIAL PEELS

Covers clinical exfoliation and desquamation techniques employing chemical and mechanical methods. Prerequisite(s): Successful completion of ES 125, ES 128, ES 130, ES 132, ES 134, and ES 138. Co-requisites: ES 140, ES 143141, ES 145, ES 152, ES 159.

Additional Fee: 69.70

<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>
6261	4 Cr	9:00AM-3:30PM	DAILY	07/03/17-09/01/17	08 325	Sorensen, Kar	[HYBRID]

ES 137 SPA CLINIC OPERATIONS

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>
62P1	1 Cr	8:00AM-2:30PM	DAILY	08/29/17-09/01/17	08 319	Whipple, Jenn	[HYBRID]

ES 140 CLINICAL APPLICATIONS I

Realistic training in our student-run clinic, incorporating every aspect of an exemplar esthetics practice. Prerequisite(s): Successful completion of ES 125, ES 128, ES 130, ES 132, ES 134, and ES 138. Co-requisites: ES 136, ES 141, ES 145, ES 152, and ES 159.

Additional Fee: 69.70

<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>
6271	7 Cr	11:30AM-3:30PM	DAILY	07/03/17-09/01/17	08 325	Sorensen, Kar	

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 125, ES 128, ES 130, ES 132, ES 134, and ES 138. Co-requisites: ES 136, ES 140, ES 145, ES 152, 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>
62B1	5 Cr	11:30AM-3:30PM	TWThF	07/20/17-09/01/17	08 327	Siedlicki, M	

ES 145 CORRECTIVE CONCEALING MAKEUP

Theory and application of corrective and concealing techniques for makeup applications.

Prerequisite(s): Successful completion of ES 125, ES 128, ES 130, ES 132, ES 134, and ES 138. Co-requisites: ES 136, ES 140, ES 143141, ES 152 and ES 159.

Additional Fee: 69.70

<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>
6281	3 Cr	9:00AM-3:30PM	DAILY	07/03/17-09/01/17	08 325	Sorensen, Kar	[HYBRID]

ES 149 LASER THEORY AND APPLICATIONS

Didactic and hands-on applications of multiple laser modalities. Course will include all related safety and first aid components. Prerequisite(s): Successful completion of ES 136, ES 140, ES 141, ES 145, ES 152, and ES 159. Co-requisites: ES 158, ES 150, ES 153, ES 154, and ES 157.

Additional Fee: 69.70

<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>
62C1	5 Cr	9:00AM-11:15AM	DAILY	08/01/17-08/25/17	08 327	Siedlicki, M	[HYBRID]

ES 150 MEDIUM DEPTH PEELS

Didactic and hands-on applications of clinical-based medium depth peels. Course includes all related safety and first aid measures. Prerequisite(s): Successful completion of ES 136, ES 140, ES 141, ES 145, ES 152, and ES 159. Co-requisites: ES 149, ES 153, ES 154, ES 157, and ES 158.

Additional Fee: 69.70

<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>
62D1	2 Cr	9:00AM-3:30PM	DAILY	07/10/17-07/21/17	08 327	Siedlicki, M	[HYBRID]

ES 153 ADVANCED COSMETIC CHEMISTRY

Includes theory and hands-on demonstrations of machinery and equipment used in medical esthetic offices. All safety, sanitation, first aid, and contraindication theory will be covered. Prerequisite: ES 221 and successful completion of state-approved entry-level esthetic program and proof of esthetic license from Washington State.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
62F1	3 Cr	9:00AM-11:15AM	DAILY	07/24/17-07/28/17	08 327	Siedlicki, M	[HYBRID]

ES 154 ADVANCED SKIN CARE AND MASSAGE TECHNIQUES

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

Additional Fee: 69.70

<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>
6291	5 Cr	9:00AM-3:30PM	DAILY	07/03/17-09/01/17	08 325	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 141, ES 145, ES 152, and ES 159. Co-requisites: ES 149, ES 150, ES 153, ES 154, 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>
62G1	2 Cr	9:00AM-11:15AM	DAILY	07/03/17-08/18/17	08 327	Siedlicki, M	[HYBRID]

ES 158 STATE BOARD PREPARATION

This course includes kit preparation and simulation of state board examinations. Prerequisite(s): Successful completion of ES 136, ES 140, ES 141, ES 145, ES 152, and ES 159. Co-requisites: ES 149, ES 150, ES 153, ES 154, and ES 157.

Additional Fee: 69.70

<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>
62H1	2 Cr	8:00AM-2:30PM	DAILY	08/28/17-09/01/17	08 327	Siedlicki, M	[HYBRID]

ES 159 INTRO TO BUSINESS PLANNING & PROFESSIONAL DEVELO

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

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
62A1	1 Cr	9:00AM-3:30PM	DAILY	07/03/17-09/01/17	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>
MQ01	3 Cr	7:30AM-3:00PM	MTWTh	07/03/17-09/01/17	TBD	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>
MQ11	5 Cr	7:30AM-3:00PM	MTWTh	07/03/17-09/01/17	TBD	Chesnes, Thom	

FSME 112 FABRICATION FUNDAMENTALS I

Teaches students the basic workshop skills needed to fabricate parts and structures. Also introduces students to the properties of common materials used in manufacturing and engineering. Prerequisite(s): Instructor permission.

Instructor Permission required.

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>
MQ21	5 Cr	7:30AM-3:00PM	MTWTh	07/03/17-09/01/17	TBD	Chesnes, Thom	

FSME 113 FABRICATION FUNDAMENTALS II

Introduces students to more advanced manufacturing and engineering fabrication techniques, including welding, the use of machine tools, composites, and electrical wiring. Prerequisite(s): Instructor permission.

Instructor Permission required.

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>
MQ31	5 Cr	7:30AM-3:00PM	MTWTh	07/03/17-09/01/17	TBD	Chesnes, Thom	

GRAPHIC TECHNOLOGIES

GTC 149 DIGITAL IMAGING II

Builds on the fundamentals of PhotoShop and introduces advanced imagery to include blending, advanced layers, advanced selections, vector tools, filters, and tonal correction. Prerequisite(s): Successful completion of GTC 130 or instructor approval.

Additional Fee: 88.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
8501	5 Cr	9:00AM-5:00PM	M	07/03/17-08/28/17	11 154	Ritzen, Drew	

GTC 164 PREPRESS I

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

Additional Fee: 88.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
8511	5 Cr	9:00AM-5:00PM	W	07/05/17-08/30/17	11 154	Ritzen, Drew	

GTC 169 INTRODUCTION TO VECTOR-BASED ILLUSTRATION SOFTWARE

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

Additional Fee: 88.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
8521	5 Cr	9:00AM-5:00PM	T	07/11/17-08/29/17	11 158	Owens, Darryl	

GTC 174 INDESIGN I

Covers InDesign techniques as performed on Macintosh computers. Students will create files for electronic output and create documents using color and color separations for creating ads, brochures, menus, and other documents. Course explores PDF files, EPS files and production work.

Prerequisite(s): Successful completion of GTC 143 or instructor approval.

Additional Fee: 88.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location Faculty</u>	<u>Internet</u>
8531	5 Cr	9:00AM-5:00PM	Th	07/06/17-08/31/17	11 158 Owens, Darryl	

GTC 203 PREFLIGHT

Use applications on the Macintosh computer to create high-level graphics, images, logos, and projects in color. Perform graphic manipulation, computer output, PDF formats, and postscript files.

Prerequisite(s): Successful completion of GTC 223, GTC 276 or instructor approval.

Additional Fee: 88.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location Faculty</u>	<u>Internet</u>
8541	5 Cr	9:00AM-5:00PM	W	07/05/17-08/30/17	11 158 Owens, Darryl	

GTC 225 ADVANCED PAGE LAYOUT PRINCIPLES

Students will apply advanced page layout techniques using industry-standard software to produce files for output. Covers the creation of preflight and package press-ready files. Also includes outputting composite and separations to postscript and imposing jobs for output service provider. Prerequisite(s): Successful completion of GTC 276, GTC 209, GTC 164 or instructor approval.

Additional Fee: 88.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location Faculty</u>	<u>Internet</u>
8551	5 Cr	9:00AM-5:00PM	M	07/03/17-08/28/17	11 158 Owens, Darryl	

GTC 254 CAPSTONE CLASS

Preparation of personal job-hunting package of student's chosen specialty within the graphic technologies program, including industry research, business cards, cover letters, envelopes, resumes, personal sales pitches, and portfolios. Prerequisite(s): Successful completion of GTC 223 or instructor approval.

Additional Fee: 88.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location Faculty</u>	<u>Internet</u>
8561	5 Cr	9:00AM-5:00PM	T	07/11/17-08/29/17	11 154 Moyer, John	

GTC 264 PAPER, PRICING, AND ESTIMATING

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

Additional Fee: 88.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location Faculty</u>	<u>Internet</u>
8571	5 Cr	9:00AM-5:00PM	Th	07/06/17-08/31/17	11 154 Moyer, John	

HEALTH UNIT COORDINATOR

HUC 106 ANATOMY & PHYSIOLOGY FOR HLTH UNIT COORDINATOR

Introduces basic word elements used in building medical terminology and identifies the different types of word elements present in each medical term by name. Introduces medical terms, body structure and pathology in relation to each body system: integumentary, musculoskeletal, sensory, circulatory, nervous, endocrine, and digestive systems. Prerequisite(s): Successful completion of HUC 116.

Additional Fee: 14.70

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location Faculty</u>	<u>Internet</u>
8111	3 Cr	3:00PM-10:00PM	TTh	07/03/17-09/01/17	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 the student to program policies, dress code, attendance, classroom, and workplace rules of conduct, program goals, and grading system. This course also focuses on the use of various communication devices and introduces the EMR/HER and related Windows programs used in the hospital.

Additional Fee: 128.40

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
8101	6 Cr	3:00PM-10:00PM	DAILY	07/03/17-09/01/17	21 105	Perez, Joylen	[ENHANCED]

HUC 112 UNIT COORDINATOR TASKS & PROCEDURES II

Focuses on cognitive knowledge and performance skills in the computer laboratory. The student will demonstrate performance skills for maintaining medical records, accurately transcribing physicians' orders to the appropriate chart forms and Kardex, as well as completion of pseudo patient charts.

Prerequisite(s): HUC 108, HUC 106, HUC 114, HUC 113, and HUC 120.

Additional Fee: 19.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
8131	4 Cr	8:00AM-2:45PM	MThF	07/03/17-09/01/17	21 105	Briggs, Marla	[HYBRID]

HUC 113 INTRODUCTION TO COMMUNICATION IN THE HUC ROLE

Students will learn to describe and use good listening skills as a means of preventing and/or solving conflicts with a variety of people in different situations. This course also focuses on developing skills for the role of the communicator for the nursing unit. The student will also be given the tools for developing and practicing assertive communication, interpersonal relationships and confidentiality skills.

Prerequisite(s): Successful completion of HUC 108.

Additional Fee: 4.90

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
8141	1 Cr	8:00AM-2:45PM	DAILY	07/03/17-09/01/17	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. Prerequisite(s): HUC 108; enrollment in HUC 106.

Additional Fee: 110.30

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
8121	7 Cr	3:00PM-10:00PM	M	07/03/17-09/01/17	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 108, HUC 106, HUC 114, HUC 113 and HUC 120.

Additional Fee: 9.80

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
8151	2 Cr	8:00AM-2:45PM	MTTh	07/03/17-09/01/17	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. Prerequisite(s): HUC 108; enrollment in HUC 106, HUC 114 and HUC 113.

Additional Fee: 14.70

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
8161	3 Cr	3:00PM-10:00PM	W	07/03/17-09/01/17	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 113 and HUC 120.

Additional Fee: 14.70

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
8171	3 Cr	8:00AM-2:45PM	TW	07/03/17-09/01/17	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 108, HUC 106, HUC 114, HUC 113, and HUC 120; enrollment in HUC 112, 118, and 122.

Additional Fee: 9.80

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
8181	2 Cr	8:00AM-2:45PM	WF	07/03/17-09/01/17	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, HUC 113, HUC 120, HUC 112, HUC 122, and HUC 126.

Additional Fee: 14.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
8191	7 Cr	8:00AM-2:45PM	DAILY	07/03/17-09/01/17	21 105	Briggs, Marla	[ENHANCED]

HUC 204 ECG MONITOR TECHNICIAN

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

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>
81A1	3 Cr	12:00PM-3:00PM	TWThF	07/11/17-08/08/17	21 105	Perez, Joylen	[ENHANCED]

HEATING/VENTILATION/AIR CONDITIONING

HAC 102 BASIC ELECTRICITY

Discusses the structure of matter, movement, electrons, conductors, insulators, direct and alternating currents, and electrical units of measurement. Students will also study electrical circuits and measurements, Ohm's law, series and parallel circuits, and electrical power. Also includes magnetic fields, inductance, transformers, capacitance, impedance, sine waves and using electrical measuring instruments. Co-requisites: HAC 105, HAC 120, HAC 160, HAC 162, HAC 164, HAC 167. or instructor permission.

Additional Fee: 64.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
1801	5 Cr	7:00AM-1:45PM	DAILY	07/03/17-09/01/17	25 202	Barton, Rich	[ENHANCED]

HAC 105 ELECTRICAL CIRCUITS

Discusses types of automatic control devices that respond to thermal change, the bimetal device, control by fluid expansion, the thermocouple and electronic sensing devices. Covers space temperature controls (both high and low voltage), sensing temperatures of solids, pressure-sensing devices, oil-pressure safety controls, air-pressure controls, devices that control fluid flow, and maintenance of mechanical and electromechanical controls. Co-requisites: HAC 102, HAC 120, HAC 160, HAC 162, HAC 164, HAC 167 or instructor permission.

Additional Fee: 59.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
1811	4 Cr	7:00AM-1:45PM	DAILY	07/03/17-09/01/17	25 202	Barton, Rich	[ENHANCED]

HAC 120 ADVANCED CONTROLS AND TROUBLESHOOTING

Covers control terminology, applications and electronic control circuits. Pneumatic controls and direct digital controls are also explored, along with programmable thermostats. Also covers procedures for troubleshooting basic and complex circuits, thermostats, and high-voltage circuits controlled by thermostats. Describes procedures for measuring amperage and voltage in low-voltage circuits and discusses pictorial and line diagrams. Co-requisites: HAC 102, HAC 105, HAC 160, HAC 162, HAC 164, HAC 167 or instructor permission.

Additional Fee: 59.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
1821	4 Cr	7:00AM-1:45PM	DAILY	07/03/17-09/01/17	25 202	Barton, Rich	[ENHANCED]

HAC 162 ELECTRIC MOTORS AND THEIR APPLICATIONS

Discusses types of electric motors, along with starting and running components and characteristics, motor speeds, and power supplies. Specific topics also included are single and split-phase motors, the centrifugal switch, electronic replay, capacitor start motors, capacitor run motors, permanent split capacitor motors, shaded pole motors, single-phase hermetic motors, positive temperature coefficient motors, and variable speed motors. Includes discussions of various characteristics and insulations, bearings, mountings, and motor drives. Co-requisites: HAC 102, HAC 105, HAC 120, HAC 160, HAC 164, HAC 167 or instructor permission.

Additional Fee: 59.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
1841	4 Cr	7:00AM-1:45PM	DAILY	07/03/17-09/01/17	25 202	Barton, Rich	[ENHANCED]

HAC 164 ELECTRIC MOTOR CONTROLS AND TROUBLESHOOTING MOTO

Discusses mechanical and electrical motor troubleshooting. This includes drive assemblies, belt

tension, pulley alignment, open and shorted windings, shorts to ground, capacitor problems, wiring and connectors, and troubleshooting hermetic motors. Co-requisites: HAC 102, HAC 105, HAC 120, HAC 160, HAC 162, HAC 167 or instructor permission.

Additional Fee: 54.70

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
1851	3 Cr	7:00AM-1:45PM	DAILY	07/03/17-09/01/17	25 202	Barton, Rich	[ENHANCED]

HAC 170 HEATING I

Covers controls, thermal physics, electric heating, and equipment for residential and light commercial heating system installation and servicing with emphasis on electric heating and gas heating.

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

Additional Fee: 74.30

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
1871	7 Cr	7:00AM-1:45PM	DAILY	07/03/17-09/01/17	25 402	Mcghee, Dwigh	[ENHANCED]

HAC 175 HEATING I LAB

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

Additional Fee: 64.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
1881	5 Cr	7:00AM-1:45PM	DAILY	07/03/17-09/01/17	25 300	Mcghee, Dwigh	[ENHANCED]

HAC 181 HEATING II

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

Additional Fee: 69.40

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
1891	6 Cr	7:00AM-1:45PM	DAILY	07/03/17-09/01/17	25 402	Mcghee, Dwigh	[ENHANCED]

HAC 183 HEATING II LAB

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

Additional Fee: 59.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
18A1	4 Cr	7:00AM-1:45PM	DAILY	07/03/17-09/01/17	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 201 and HAC 256.

Additional Fee: 64.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
18D1	5 Cr	7:00AM-1:45PM	DAILY	07/03/17-09/01/17	25 300	Mcghee, Dwigh	[ENHANCED]

HAC 256 COMMERCIAL HEAT PUMPS

Troubleshoot and repair residential and commercial heat pumps through study material and DVDs. Explores heat pump fundamentals, heat pump electrical, and heat pump charging. Prerequisite(s): Must have required hand tools of the trade. Must be enrolled in HAC 201 and HAC 249.

Additional Fee: 74.30

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
18C1	7 Cr	7:00AM-1:45PM	DAILY	07/05/17-09/01/17	25 300	Mcghee, Dwigh	[ENHANCED]

HEMODIALYSIS

HDT 142 WATER TREATMENT FOR HEMODIALYSIS TECHNICIAN

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

Additional Fee: 9.80

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
8801	2 Cr	8:00AM-9:45AM	MW	07/03/17-08/28/17	21 227	Markovits, Ke	[HYBRID]

HDT 150 VASCULAR ACCESS

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

Additional Fee: 9.80

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
8811	2 Cr	8:00AM-9:45AM	TTh	07/06/17-08/31/17	21 227	Markovits, Ke	[HYBRID]

HDT 151 PROFESSIONAL PATIENT INTERACTION

Explores the relationship and psychological boundaries between the technician, the patient and the renal facility. Includes concepts of patient education. Covers basic interpersonal verbal and non-verbal communication, with a focus on adapting to an individual's special needs or cultural orientation. Students will be given the tools to develop listening skills by practicing assertive communication and developing appropriate interpersonal relationships using the concepts of patient confidentiality. Prerequisite(s): Students must successfully complete HDT 106, 108, 116, 123, and 130 prior to continuing in the Hemodialysis Program.

Additional Fee: 14.70

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
8821	3 Cr	7:00AM-8:00AM	DAILY	07/03/17-09/01/17	21 227	Markovits, Ke	[HYBRID]

HDT 153 PRINCIPLES AND PROCEDURES HEMODIALYSIS II

Defines the basic principles of diffusion, filtration, fluid dynamics, and osmosis relating to the dialysis process. Includes overviews of the dialysis environment and kidney functions. Covers patient vitals and monitoring treatment, including identification of normal and abnormal values. Students will perform laboratory tests and use patient documentation procedures. Students will learn to identify causes,

signs, symptoms, preventions, and interventions for medical and technical complications that may occur during dialysis. Includes patient dietary and nutrition requirements.

Additional Fee: 128.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
8841	5 Cr	10:00AM-1:00PM	MWF	07/03/17-09/01/17	21 227	Markovits, Ke	[HYBRID]

HUMAN SERVICES

HS 151 INTERNSHIP I

Students will participate in on-the-job training in the human services field of their choice. Duties and tasks are supervised. Students will perform relevant job duties and tasks within an agency of their choice, attend supervision meetings, identify applicable community resources, and perform other job duties as assigned. Instructor permission is required for site choice. Prerequisite(s): Students must consent to and receive a 'No Record on File' report related to crimes against persons in order to be accepted at many clinical sites. Students must complete the following first-quarter Human Services courses with a C grade or above to be eligible to take this course: HS 237, HS 127, HS 123, HS 115, HS 225, HS 110.

Instructor Permission required.

Additional Fee: 14.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
2401	5 Cr	12:30PM-5:00PM	DAILY	07/03/17-09/01/17	02 120	Callahan-Mcc	

HS 226 MENTAL HEALTH ASSESSMENT AND EVALUATION

Explores current perspectives of mental health in the helping professions by focusing on the identification, definition, diagnostic criteria, and assessment and evaluation of psychological disorders. Emphasizes the continuum between normal and abnormal behavior by examining biological, psychological and sociocultural causal factors as they relate to adults and children. Prerequisite(s): Students must complete the following first-quarter Human Services courses with a 'C' grade or above to be eligible to take this course: HS 237, HS 127, HS 123, HS 115, HS 225, HS 110.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
2411	5 Cr	9:00AM-9:50AM	DAILY	07/03/17-09/01/17	02 112	Callahan-Mcc	[HYBRID]

HS 228 DYNAMICS OF VIOLENCE

Presents an overview of the dynamics of violence in relationship to both the perpetrator and the victim. Areas of emphasis include child neglect, child sexual and physical abuse, missing and exploited children and adolescents, domestic violence, the cycle of violence, elder abuse, and violence's impact on the family system. Strategies for treatment and community intervention are explored. Prerequisite(s): Students must complete the following first-quarter Human Services courses with a 'C' grade or above to be eligible to take this course: HS 237, HS 127, HS 123, HS 115, HS 225, HS 110.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
2421	3 Cr	10:00AM-11:50AM	TTh	07/06/17-08/31/17	02 112	Callahan-Mcc	[HYBRID]

HS 230 CASE MANAGEMENT

This course introduces students to the fundamentals of case management practice. Students will review different models of case management and learn about common case management functions such as outreach, engagement, assessment, planning, accessing resources, coordination, and advocacy. Prerequisite(s): Students must complete the following third-quarter Human Services courses with a 'C' grade or above to be eligible to take this course: HS 220, HS 227, HS 221, HS 244.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
2471	5 Cr	10:00AM-11:50AM	MWF	07/03/17-09/01/17	02 120	Hauzinger, Ir	[HYBRID]

HS 234 CULTURAL COMPETENT PRACTICE

Provides students with an awareness of the historical, cultural, socioeconomic, biological, and psychosocial influences that define diversity. Examines culturally competent standards that influence best practice standards for human service workers. Students will explore culture, guidelines for culturally sensitive practices, and the impact of inequality on a variety of service populations, racism, prejudice, and inclusion strategies. Prerequisite(s): Students must complete the following first-quarter Human Services courses with a 'C' grade or above to be eligible to take this course: HS 237, HS 127, HS 123, HS 115, HS 225, HS 110.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
2451	5 Cr	10:00AM-11:50AM	MWF	07/03/17-09/01/17	02 112	Callahan-Mcc	[HYBRID]

HS 238 SPECIAL PROJECTS

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

Instructor Permission required.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
2431	Var	ARRANGED	ARRANGED	07/03/17-09/01/17	ON LINE	Callahan-Mcc	[ONLINE]

HS 239 SELECTED TOPICS

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

Instructor Permission required.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
2441	Var	ARRANGED	ARRANGED	07/03/17-09/01/17	ON LINE	Callahan-Mcc	[ONLINE]

HS 240 SURVEY OF ADDICTION

Focuses on addiction in modern society by surveying prevalent addictions and common co-occurring disorders. Students will gain an overview of causal factors and the consequences of addiction as they relate to the individual, family and community. A strengths-based perspective will focus on the biological, psychological, and sociocultural factors influencing addiction and recovery. Prerequisite(s): Students must complete the following third-quarter Human Services courses with a 'C' grade or above to be eligible to take this course: HS 220, HS 227, HS 221, HS 244.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
2481	5 Cr	9:00AM-9:50AM	DAILY	07/03/17-09/01/17	02 120	Hauzinger, Ir	[HYBRID]

HS 244 INTERNSHIP II

Students will participate in on-the-job training in the human services field of their choice. Duties and tasks are supervised. Students perform relevant job duties and tasks within their agency of choice, attend supervision meetings, identify applicable community resources, and perform other job duties as assigned. Instructor permission is required for site choice. Successful completion of Internship I is required. Prerequisite(s): Students must consent to and receive a 'No Record on File' report related to crimes against persons in order to be accepted at many clinical sites. Students must complete the following second-quarter Human Services Program courses with a 'C' grade or above to be eligible to take this course: HS 226, HS 234, HS 228, HS 151.

Instructor Permission required.

Additional Fee: 14.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
24F1	5 Cr	12:30PM-5:00PM	DAILY	07/03/17-09/01/17	02 112	Welch, Rober	[HYBRID]

HS 246 GROUP PROCESS

An introduction to the dynamics of group interaction with emphasis on the student's firsthand experience as a group leader and member. Highlights the factors involved in problems of communication, effective emotional responses and personal growth. Emphasizes group process as a means of changing behavior. This course is designed to assist human services students who will function as group leaders and co-leaders. Prerequisite(s): Students must complete the following third-quarter Human Services courses with a 'C' grade or above to be eligible to take this course: HS 220, HS 227, HS 221, HS 244.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
2491	3 Cr	10:00AM-11:30AM	TTh	07/06/17-08/31/17	02 120	Hauzinger, Ir	[ENHANCED]

HS 258 INTERNSHIP III

Students will participate in on-the-job training in the human services field of their choice. Duties and tasks are supervised. Students perform relevant job duties and tasks within their agency of choice, attend supervision meetings, identify applicable community resources, and perform other job duties as assigned. Instructor permission is required for site choice. Successful completion of Internship II is required. Prerequisite(s): Students must consent to and receive a 'No Record on File' report related to crimes against persons in order to be accepted at many clinical sites. Students must complete the following third-quarter Human Services courses with a 'C' grade or above to be eligible to take this course: HS 220, HS 227, HS 221, HS 244.

Instructor Permission required.

Additional Fee: 14.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
24C1	5 Cr	12:30PM-5:00PM	DAILY	07/03/17-09/01/17	02 112	Welch, Rober	[HYBRID]

HUMAN SERVICES/CHEMICAL DEPENDENCY

HSCD 150 THE NEURO-PHARMACOLOGY OF ADDICTION

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

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
24A1	5 Cr	ARRANGED	ARRANGED	07/03/17-09/01/17	ON LINE	Hauzinger, Ir	[ONLINE]

HSCD 155 CHEMICAL DEPENDENCY & COUNSELING: INDIV & GROUPS

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

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

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
24D1	5 Cr	5:00PM-7:15PM	W	07/05/17-08/30/17	02 112	Welch, Rober	[HYBRID]

HSCD 227 CHEMICAL DEPENDENCY ASSESSMENT & EVALUATION

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

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
2461	3 Cr	7:15PM-10:00PM	W	07/05/17-08/30/17	02 112	Staff	[HYBRID]

HSCD 229 SUICIDE PREVENTION FOR THE CHEMICAL DEPEND PROFE

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

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
24B1	1 Cr	ARRANGED	ARRANGED	07/10/17-09/01/17	ON LINE	Hauzinger, Ir	[ONLINE]

INTERIOR DESIGN

DSN 121 DRAFTING II

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

Additional Fee: 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>
3631	5 Cr	9:00AM-11:00AM	DAILY	08/10/17-09/01/17	19 210	Schillar, Sun	

DSN 123 MATERIALS, METHODS AND TECHNIQUES

This course is an introduction to the fundamental design materials and applications for interior environments, including hard and resilient flooring, soft flooring, paint, wall coverings, cladding, acoustics, metal, plaster, glass, and millwork. Students will also learn to visually present material selections in a professional manner.

Additional Fee: 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>
3601	4 Cr	9:00AM-11:00AM	DAILY	07/03/17-07/14/17	19 210	Bowman, Michl	

DSN 132 LIGHTING

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

Additional Fee: 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>
3621	5 Cr	9:00AM-11:00AM	DAILY	07/27/17-08/09/17	19 210	Schillar, Sun	

DSN 140 TEXTILES

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

Additional Fee: 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>
3611	4 Cr	9:00AM-11:00AM	DAILY	07/17/17-07/26/17	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>
36B1	2 Cr	9:00AM-11:00AM	MTTh	07/24/17-08/03/17	19 202	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>
3641	4 Cr	11:00AM-1:00PM	DAILY	07/03/17-07/17/17	19 202	Watts, Julie	

DSN 215 SUSTAINABLE DESIGN: AN OVERVIEW

Explores the history and principles associated with green and sustainable design. This course uncovers how the built environment affects people and the natural environment, environmental movements throughout history, green building assessment methods and certification programs, and the environmental responsibilities associated with the interior design profession. Prerequisite(s): Basic competency with computers and navigating the web.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
36C1	5 Cr	ARRANGED	ARRANGED	07/03/17-09/01/17	ON LINE	Watts, Julie	[ONLINE]

DSN 216 CAD I

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

Additional Fee: 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>
3651	5 Cr	11:00AM-1:00PM	DAILY	07/18/17-08/04/17	19 202	Watts, Julie	

DSN 224 SUSTAINABILITY FOR RESIDENTIAL & COMMERCIAL APP

Examines sustainable approaches to the built environment including preservation, rehabilitation, restoration, and reconstruction. This course also looks at applying sustainable design elements to residential and a variety of commercial project types. Prerequisite(s): It is recommended to have completed or be concurrently enrolled in DSN 215 Sustainable Design: An Overview. Basic competency with computers and navigating the web.

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

36D1 4 Cr ARRANGED ARRANGED 07/03/17-09/01/17 LINE Watts, Julie [\[ONLINE\]](#)

DSN 225 DESIGN I

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

Additional Fee: 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>
3661	5 Cr	11:00AM-1:00PM	DAILY	08/07/17-08/24/17	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>
36F1	5 Cr	ARRANGED	ARRANGED	07/03/17-09/01/17	ON LINE	Watts, Julie	[ONLINE]

DSN 229 SUSTAINABLE INTERIORS & THE INTERGRATED DESIGN P

Covers the steps to design and present a green interior space. Students will learn more about the integrated design process, develop their own sustainable interior design, and present it in a professional manner in preparation for real-life sustainable design proposals. Prerequisite(s):

Completed or concurrently enrolled in DSN 215, 224, 226. Basic competency with computers and navigating the web.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
36G1	5 Cr	ARRANGED	ARRANGED	07/03/17-09/01/17	ON LINE	Watts, Julie	[ONLINE]

DSN 231 HISTORIC PRESER 20TH CENTURY DESIGN & PHILOSOPHY

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

Additional Fee: 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>
3671	3 Cr	9:00AM-11:00AM	DAILY	08/28/17-09/01/17	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)

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>
3691	4 Cr	ARRANGED	ARRANGED	07/03/17-09/01/17	ARR	Schillar, Sun	

DSN 251 CONTRACT FURNITURE

This course provides an introduction to the various types of furniture used in commercial design.

Concentrates on the selection, specification and use of furnishings as well as contracts, documents, and the procurement of contract furniture.

Additional Fee: 64.70

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location Faculty</u>	<u>Internet</u>
3681	3 Cr	9:00AM-11:00AM	MTTh	07/03/17-07/20/17	19 202 Schillar, Sun	

DSN 265 INDEPENDENT STUDY

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

Additional Fee: 64.70

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location Faculty</u>	<u>Internet</u>
36H1	3 Cr	ARRANGED	ARRANGED	07/03/17-09/01/17	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 Faculty</u>	<u>Internet</u>
36A1	7 Cr	9:00AM-11:00AM	DAILY	07/07/17-09/01/17	19 202 Watts, Julie	

DSN 270 INDEPENDENT STUDY

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

Additional Fee: 69.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location Faculty</u>	<u>Internet</u>
36J1	4 Cr	ARRANGED	ARRANGED	07/03/17-09/01/17	19 210 Bowman, Michl	

DSN 275 INDEPENDENT STUDY

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

Additional Fee: 74.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location Faculty</u>	<u>Internet</u>
36K1	5 Cr	ARRANGED	ARRANGED	07/03/17-09/01/17	19 210 Schillar, Sun	

LEADERSHIP

LEADR 100 LEADERSHIP I

Students taking this course will gain a basic understanding of the concept of leadership theory while developing a personal philosophy of leadership, an awareness of the moral and ethical responsibilities

of leadership and to develop and improve their own leadership skills. This course integrates leadership studies through study, observation and application.

Instructor Permission required.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
0515	Var	ARRANGED	ARRANGED	07/03/17-09/01/17	ON LINE	Erwin-Svobod	[ONLINE]

LEADR 101 LEADERSHIP II

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

Instructor Permission required.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
0516	Var	ARRANGED	ARRANGED	07/03/17-09/01/17	ON LINE	Erwin-Svobod	[ONLINE]

LIFESPAN PSYCHOLOGY

PSYC& 200 LIFESPAN PSYCHOLOGY

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
0537	5 Cr	ARRANGED	ARRANGED	07/03/17-09/01/17	ON LINE	Sperry, David	[ONLINE]

MANUFACTURING TECHNOLOGIES

MCH 101 SHOP SAFETY

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

Instructor Permission required.

Additional Fee: 50.35

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
7801	2 Cr	ARRANGED	ARRANGED	07/03/17-09/01/17	25 105	Dam, Ken	[HYBRID]

MCH 105 SHOP MATH/BLUEPRINT

Provides a review of basic arithmetic using addition, subtraction, fractions, and decimal fractions. Study of drawings and prints, and an overview of basic measuring tools. Prerequisite: Instructor's permission and MCH 101.

Instructor Permission required.

Additional Fee: 69.95

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
7811	6 Cr	ARRANGED	ARRANGED	07/03/17-09/01/17	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>
7821	6 Cr	ARRANGED	ARRANGED	07/03/17-09/01/17	25 105	Dam, Ken	[HYBRID]

MCH 109 SHOP MATH/BLEUPRINT III

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

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>
7831	6 Cr	ARRANGED	ARRANGED	07/03/17-09/01/17	25 105	Dam, Ken	[HYBRID]

MCH 111 SHOP MACHINE AND TOOLS

Use and care of hand and machine tools used in measurement, layout, and inspection. Beginning machine tool operation of pedestal grinders, drill presses, and power saws. Prerequisite: Instructor's permission and MCH 101.

Instructor Permission required.

Additional Fee: 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>
7841	6 Cr	ARRANGED	ARRANGED	07/03/17-09/01/17	25 105	Dam, Ken	[HYBRID]

MCH 117 LATHES I

Progressively difficult operations on lathes with emphasis on setups, speeds, feeds, turning, facing, grooving, threading and tapers. Actual turning jobs from industry may be utilized. Prerequisite: Instructor's permission and MCH 101.

Instructor Permission required.

Additional Fee: 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>
7851	6 Cr	ARRANGED	ARRANGED	07/03/17-09/01/17	25 105	Dam, Ken	[HYBRID]

MCH 121 SAFETY IN THE WORKPLACE

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

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>
7861	6 Cr	ARRANGED	ARRANGED	07/03/17-09/01/17	25 105	Dam, Ken	[HYBRID]

MCH 122 LATHES & MILLS II

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

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>
7871	8 Cr	ARRANGED	ARRANGED	07/03/17-09/01/17	25 105	Dam, Ken	[HYBRID]

MCH 125 LATHES & MILLS III

Progressively advanced turning and milling techniques with emphasis placed on precision setup using

geometric dimensioning and tolerancing. Actual machining jobs from industry may be utilized.

Prerequisite: Instructor's permission and MCH 101.

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>
7881	10 Cr	ARRANGED	ARRANGED	07/03/17-09/01/17	25 105	Dam, Ken	[HYBRID]

MCH 126 LATHES & MILLS IV

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

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>
7891	8 Cr	ARRANGED	ARRANGED	07/03/17-09/01/17	25 105	Dam, Ken	[HYBRID]

MCH 129 SURFACE GRINDING

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

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>
78A1	4 Cr	ARRANGED	ARRANGED	07/03/17-09/01/17	25 105	Dam, Ken	[HYBRID]

MCH 133 TOOL & CUTTER GRINDER

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

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>
78B1	5 Cr	ARRANGED	ARRANGED	07/03/17-09/01/17	25 105	Dam, Ken	[HYBRID]

MCH 201 CATIA I

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

Instructor Permission required.

Additional Fee: 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>
78C1	5 Cr	ARRANGED	ARRANGED	07/03/17-09/01/17	25 ARR	Dam, Ken	[HYBRID]

MCH 202 INTRODUCTION TO CNC

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

Instructor Permission required.

Additional Fee: 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>
78D1	7 Cr	ARRANGED	ARRANGED	07/03/17-09/01/17	25 105	Dam, Ken	[HYBRID]

MCH 203 CATIA II

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

Instructor Permission required.

Additional Fee: 55.25

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location Faculty</u>	<u>Internet</u>
78F1	3 Cr	ARRANGED	ARRANGED	07/03/17-09/01/17	25 ARR Dam, Ken	[HYBRID]

MCH 206 CATIA III

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

Instructor Permission required.

Additional Fee: 55.25

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location Faculty</u>	<u>Internet</u>
78G1	3 Cr	ARRANGED	ARRANGED	07/03/17-09/01/17	25 ARR Dam, Ken	[HYBRID]

MCH 211 MEASUREMENT INSPECTION & EQUIPMENT

Covers understanding and operating Computer Numerical Control (CNC) machinery. Also includes writing programs and manual data input. Actual machining jobs from industry may be used.

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

Instructor Permission required.

Additional Fee: 89.55

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location Faculty</u>	<u>Internet</u>
78H1	10 Cr	ARRANGED	ARRANGED	07/03/17-09/01/17	25 105 Dam, Ken	[HYBRID]

MCH 216 ADVANCED CNC

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

Instructor Permission required.

Additional Fee: 99.35

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location Faculty</u>	<u>Internet</u>
78J1	12 Cr	ARRANGED	ARRANGED	07/03/17-09/01/17	25 105 Dam, Ken	[HYBRID]

MCH 219 CAREER OPPORTUNITIES

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

Additional Fee: 60.15

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location Faculty</u>	<u>Internet</u>
78K1	4 Cr	ARRANGED	ARRANGED	07/03/17-09/01/17	25 105 Dam, Ken	[HYBRID]

MCH 223 INSPECTION TECHNIQUES

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

Additional Fee: 69.95

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location Faculty</u>	<u>Internet</u>
78L1	6 Cr	ARRANGED	ARRANGED	07/03/17-09/01/17	25 105 Dam, Ken	[HYBRID]

MCH 229 METALLURGY & HEAT TREATMENT

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

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>
78M1	4 Cr	ARRANGED	ARRANGED	07/03/17-09/01/17	25 105	Dam, Ken	[HYBRID]

MCH 231 MANUFACTURING RESOURCES & RESEARCH

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

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>
78N1	4 Cr	ARRANGED	ARRANGED	07/03/17-09/01/17	25 105	Dam, Ken	[HYBRID]

MCH 240 TRAINING AND PRACTICE

This course provides special instruction to suit the individuals needs. Repeated enrollment ensures progressively advanced training. The number of times one may enroll is based on the students needs, at the instructors advisement. PREREQUISITE: MCH 101 and Instructor's permission.

Instructor Permission required.

Additional Fee: 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>
78P1	Var	ARRANGED	ARRANGED	07/03/17-09/01/17	25 105	Dam, Ken	

MESSAGE

MASST 111 ANATOMY, PHYSIOLOGY, AND PATHOLOGY II

Explores endocrinology, cardiovascular, digestive, and respiratory systems. Prerequisite: Successful completion of MASST 110 ""

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
12B1	5 Cr	5:30PM-8:45PM	TTh	07/06/17-08/31/17	08 108	Slegers, Edwa	

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>
1271	3 Cr	5:30PM-8:15PM	WF	07/05/17-09/01/17	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: 35.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
1281	1 Cr	8:45PM-9:55PM	TTh	07/06/17-08/31/17	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>
1291	2 Cr	8:15PM-9:55PM	WF	07/05/17-09/01/17	08 305	Priest, Jason	

MASST 143 MESSAGE 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>
12A1	2 Cr	5:30PM-8:50PM	M	07/03/17-08/28/17	08 305	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.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
1201	4 Cr	9:00AM-11:30AM	MTWTh	08/07/17-08/31/17	08 108	Meziere, Yvon	[HYBRID]

MASST 152 CLINICAL MASSAGE PRACTICE: SPECIAL POPULATIONS

Additional Fee: 108.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
1211	3 Cr	12:15PM-3:30PM	MTWTh	08/07/17-08/31/17	08 308	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: 108.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
1221	2 Cr	9:00AM-3:30PM	MTWTh	07/13/17-07/24/17	08 308	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: 108.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
1231	2 Cr	9:00AM-3:30PM	MTWTh	07/25/17-08/03/17	08 308	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: 108.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
1241	2 Cr	9:00AM-3:30PM	MTWTh	07/03/17-07/12/17	08 308	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>
1251	1 Cr	9:00AM-3:30PM	WTh	08/30/17-08/31/17	08 308	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>
1261	3 Cr	9:00AM-3:30PM	F	07/07/17-09/01/17	08 308	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>
12C1	3 Cr	9:00AM-12:00PM	Th	07/11/17-08/29/17	08 108	Slegers, Edwa	

MATH

MAT 082 BASIC MATHEMATICS

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

Additional Fee: 24.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
5W06	5 Cr	9:10AM-10:05AM	DAILY	07/03/17-09/01/17	16 202	Sandoval, L	[ENHANCED]
5W07	5 Cr	ARRANGED	ARRANGED	07/03/17-09/01/17	ON	Mollas, Tula	[ONLINE]

							LINE	
5W08	5 Cr	1:50PM-2:45PM	MTW	07/03/17-08/30/17	16 116	Mollas, Tula	[HYBRID]	
5W13	5 Cr	8:00AM-8:55AM	DAILY	07/03/17-09/01/17	16 113	Alexander, Di	[HYBRID]	
5W16	5 Cr	9:10AM-10:05AM	MTWTh	07/03/17-08/31/17	16 208	Schmeling, L	[HYBRID]	
5W22	5 Cr	10:20AM-11:15AM	DAILY	07/03/17-09/01/17	16 113	Sandoval, L	[HYBRID]	
5W25	5 Cr	12:40PM-1:35PM	DAILY	07/03/17-09/01/17	15 111	Parnell, Sam	[HYBRID]	
5W19	5 Cr	9:10AM-10:50AM	TWTh	07/05/17-08/31/17	15 111	Parnell, Sam	[HYBRID]	
5W28	5 Cr	4:10PM-6:40PM	TTh	07/06/17-08/31/17	15 111	Parnell, Sam	[ENHANCED]	
5W34	5 Cr	1:30PM-4:10PM	TTh	07/06/17-08/31/17	SHC107	Alexander, Di	[ENHANCED]	
5W31	5 Cr	9:00AM-2:30PM	Sa	07/08/17-08/26/17	15 111	Parnell, Sam	[ENHANCED]	

MAT 091 INTRODUCTION TO ALGEBRA

Develops algebraic topics including algebraic expressions, solving linear equations and inequalities, coordinate graphing, systems of equations, polynomials, factoring and introduction to rational expressions. Prerequisite: Appropriate COMPASS placement score; or successful completion of MAT 82 is required.

Additional Fee: 24.50

Item	Cred	Hours	Days	Start-End Dates	Location	Faculty	Internet
5W09	5 Cr	10:20AM-11:15AM	MTW	07/03/17-08/30/17	16 116	Mollas, Tula	[HYBRID]
5W10	5 Cr	11:30AM-12:25PM	DAILY	07/03/17-09/01/17	16 202	Sandoval, L	[HYBRID]
5W11	5 Cr	ARRANGED	ARRANGED	07/03/17-09/01/17	ON LINE	Sandoval, L	[ONLINE]
5W14	5 Cr	8:00AM-8:55AM	DAILY	07/03/17-09/01/17	16 113	Alexander, Di	[HYBRID]
5W17	5 Cr	9:10AM-10:05AM	MTWTh	07/03/17-08/31/17	16 208	Schmeling, L	[HYBRID]
5W23	5 Cr	10:20AM-11:15AM	DAILY	07/03/17-09/01/17	16 113	Sandoval, L	[HYBRID]
5W26	5 Cr	12:40PM-1:35PM	DAILY	07/03/17-09/01/17	15 111	Parnell, Sam	[HYBRID]
5W20	5 Cr	9:10AM-10:50AM	TWTh	07/05/17-08/31/17	15 111	Parnell, Sam	[HYBRID]
5W29	5 Cr	4:10PM-6:40PM	TTh	07/06/17-08/31/17	15 111	Parnell, Sam	[ENHANCED]
5W35	5 Cr	1:30PM-4:10PM	TTh	07/06/17-08/31/17	SHC107	Alexander, Di	[ENHANCED]
5W32	5 Cr	9:00AM-2:30PM	Sa	07/08/17-08/26/17	15 111	Parnell, Sam	[ENHANCED]

MAT 099 INTERMEDIATE ALGEBRA

Algebraic operations and concepts, solving equations and inequalities including quadratic equations, rational expressions, exponents, roots and radicals, graphing of linear and quadratic functions, and introduction to logarithms. PREREQUISITES: Appropriate COMPASS or successful completion of MAT 91 is required.

Item	Cred	Hours	Days	Start-End Dates	Location	Faculty	Internet
5W12	5 Cr	ARRANGED	ARRANGED	07/03/17-09/01/17	ON LINE	Schmeling, L	[ONLINE]
5W15	5 Cr	8:00AM-8:55AM	DAILY	07/03/17-09/01/17	16 113	Alexander, Di	[HYBRID]
5W18	5 Cr	9:10AM-10:05AM	MTWTh	07/03/17-08/31/17	16 208	Schmeling, L	[HYBRID]
5W24	5 Cr	10:20AM-11:15AM	DAILY	07/03/17-09/01/17	16 113	Sandoval, L	[HYBRID]
5W27	5 Cr	12:40PM-1:35PM	DAILY	07/03/17-09/01/17	15 111	Parnell, Sam	[HYBRID]
5W21	5 Cr	9:10AM-10:50AM	TWTh	07/05/17-08/31/17	15 111	Parnell, Sam	[HYBRID]
5W30	5 Cr	4:10PM-6:40PM	TTh	07/06/17-08/31/17	15 111	Parnell, Sam	[ENHANCED]
5W36	5 Cr	1:30PM-4:10PM	TTh	07/06/17-08/31/17	SHC107	Alexander, Di	[ENHANCED]
5W33	5 Cr	9:00AM-2:30PM	Sa	07/08/17-08/26/17	15 111	Parnell, Sam	[ENHANCED]

MAT 103 BUSINESS MATHEMATICS

Develops elements of algebra applied to percentages, markup and markdown, discounts, payroll, and

simple and compound interest. Scientific calculator required. Prerequisite(s): COMPASS algebra score of 62 or college algebra score of 40 or above or successful completion of MAT 088 or MAT 091.

Additional Fee: 24.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
0522	5 Cr	1:50PM-2:45PM	MTWTh	07/03/17-08/31/17	ARR	Schmeling, L	[ENHANCED]

MAT 105 MAT 105 MATH FOR INDUSTRIAL PROFESSIONS

Develops elements of algebra, geometry, metric measure, and trigonometry to calculate areas, volumes and angles for polygonal objects, objects with smooth curves, and composite objects, with applications to material strength tapers, pulleys, gears, screw threads and elementary engines. Scientific Calculator required. PREREQUISITE: Appropriate COMPASS score or successful completion of MAT 91 is required. 1.

Additional Fee: 24.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
0523	5 Cr	1:50PM-2:45PM	MWTh	07/03/17-08/30/17	14 208	Oyler, Mel	[ENHANCED]

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>
0524	5 Cr	ARRANGED	ARRANGED	07/03/17-09/01/17	ON LINE	Gangaram, Jit	[ONLINE]
0526	5 Cr	1:50PM-2:45PM	DAILY	07/03/17-09/01/17	16 113	Stultz, Dougl	[HYBRID]

MATH& 141 PRE CALCULUS I

Covers linear, quadratic, polynomial, rational, absolute value, exponential, logarithmic, and inverse functions and equations; composite functions, linear and quadratic inequalities, graphs of functions, relations, and inequalities; and graphic transformations. Introduces limits, linear and quadratic curve fitting, and mathematical modeling, including exponential growth and decay. Graphing calculator required. Prerequisite(s): Appropriate COMPASS placement score (algebra 76 or above or, college algebra 48 or above) or successful completion of MAT 099.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
0527	5 Cr	ARRANGED	ARRANGED	07/03/17-09/01/17	ON LINE	Schmeling, L	[ONLINE]

MATH& 142 PRE CALCULUS 2

Covers circular, trigonometric, and inverse-trigonometric functions and graphs; trigonometric and inverse trigonometric identities; trigonometric equations; vectors and elementary vector operations; De Moivre's theorem and equations with complex solutions; and polar and parametric equations and their graphs. Graphing calculator required. Prerequisite(s): Appropriate COMPASS placement score (college algebra 53 or higher) or successful completion of MATH& 141 or equivalent.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
0525	5 Cr	ARRANGED	ARRANGED	07/03/17-09/01/17	ON LINE	Schmeling, L	[ONLINE]

MATH& 146 INTRODUCTION TO STATISTICS

Descriptive and inferential statistics, including measures of central tendency, dispersion or variation, and skewness. Students are introduced to basic concepts in probability, as well as discrete and

continuous probability distribution functions. Statistical inference includes sampling, elementary experimental design, and hypothesis testing using normal, student's T, and F-distributions; linear regression and correlation; and the chi-square distribution. Graphing calculator is required.

Prerequisite(s): Appropriate COMPASS placement score (algebra 76 or above or college algebra 48 or above) or successful completion of MAT 099 is required.

Additional Fee: 24.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
0528	5 Cr	4:10PM-5:30PM	TWTh	07/05/17-08/30/17	16 208	Stultz, Dougl	[ENHANCED]

MECHATRONICS

MEC 115 DC CIRCUITS

Covers DC electrical terms, equations and theory. Presents techniques used for solving problems involving resistance, voltage, and current in circuits. Presents fundamental laws and relationships applied to the analysis of circuits, including capacitors and/or inductors. Basic circuit fabrication techniques and standard instrumentation used in test and measurement of DC circuits will also be covered. Prerequisite(s): Successful completion of FSME 113, PHYS& 114, MATH& 141.

Additional Fee: 44.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
MQ41	5 Cr	7:30AM-11:00AM	MW	07/03/17-09/01/17	25 103	Yang, Feng	[ENHANCED]

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>
MQ51	5 Cr	7:30AM-11:00AM	TTh	07/03/17-09/01/17	25 103	Yang, Feng	[ENHANCED]

MEC 140 COMPUTER PROGRAMMING

Introduces computer programming and problem solving. Topics include language syntax, data types, program organization, algorithm design, and logic control structures. Also covers program design techniques, such as flowcharts and the use of pseudocode. Prerequisite(s): Successful completion of MATH& 141.

Additional Fee: 44.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
MQ61	5 Cr	11:30AM-3:15PM	MTWTh	07/03/17-09/01/17	25 103	Yang, Feng	[ENHANCED]

MEC 281 INDEPENDENT STUDY I

A theoretical and/or lab-based investigation into a topic directly related to Mechatronics. Students meet in person with an instructor and agree to an appropriate course of study. Students registering for independent study must submit, at or before registration, a description and timetable for completion, signed by both the instructor supervising the independent study and the student. Prerequisite(s): Successful completion of ENGL& 101, MATH& 141, PHYS& 114, and instructor permission.

Instructor Permission required.

Additional Fee: 44.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
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MQ91 Var ARRANGED ARRANGED 07/03/17-09/01/17 25 103 Yang, Feng [\[ENHANCED\]](#)

MEC 282 INDEPENDENT STUDY II

A theoretical and/or lab-based investigation into a topic directly related to mechatronics. Students meet in person with an instructor and agree to an appropriate course of study. Students registering for independent study must submit, at or before registration, a description and timetable for completion, signed by both the instructor supervising the independent study and the student. Prerequisite(s): Successful completion of ENGL& 101, MATH& 141, PHYS& 114, and instructor permission.

Instructor Permission required.

Additional Fee: 44.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
MQA1 Var	ARRANGED		ARRANGED	07/03/17-09/01/17	25 103	Yang, Feng	[ENHANCED]

MEC 289 INTERNSHIP/WORK EXPERIENCE

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

Instructor Permission required.

Additional Fee: 34.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
MQ71 5 Cr	ARRANGED		ARRANGED	07/03/17-09/01/17	25 103	Yang, Feng	[ENHANCED]

MEC 290 MECHATRONICS CAPSTONE PROJECT

A required capstone project to be completed prior to graduation as a final check of competency. Students meet in person with an instructor and agree to a project that will apply the skills and competencies that students have acquired in the program, and that will result in a portfolio piece showcasing their abilities. Students must submit, at or before registration, a description and timetable for completion, signed by both the instructor supervising the capstone project and the student. This course is to be taken the final quarter of the program. Prerequisite(s): Instructor permission.

Instructor Permission required.

Additional Fee: 44.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
MQ81 5 Cr	ARRANGED		ARRANGED	07/03/17-09/01/17	25 103	Yang, Feng	[ENHANCED]

MEDICAL ASSISTANT

MAP 107 INTRODUCTION TO MEDICAL ASSISTING

Learn and demonstrate asepsis and infection control. Perform anthropometric measurements, vital signs and physical examination. Instruction and discussion also includes the overall function of the medical assistant within the health care team, including legal responsibilities and limitations. College and program policies and procedures are extensively discussed. This course must be successfully completed in order to proceed in the program. Prerequisite(s): Students must attend a mandatory information session/advising meeting with an instructor once the student has registered for MAP 107. Co-requisites: CAH 102, CAH,105 and COLL 102.

Additional Fee: 14.70

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
3871	3 Cr	11:00AM-3:00PM	TTh	07/18/17-08/31/17	21 108	Jones, Michel	[HYBRID]

MAP 146 BODY SYSTEMS APPLICATIONS 102

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

Additional Fee: 26.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
3831	4 Cr	2:00PM-6:30PM	TTh	07/06/17-08/31/17	21 122	Keith, Lora	[HYBRID]

MAP 147 BODY SYSTEMS THEORY 102

Caring for patients with disorders associated with ophthalmology and otolaryngology, pulmonary medicine, neurology and mental health, cardiology, phlebotomy, and microbiology. Instruction will include anatomy and physiology, pathophysiology, pharmacology, and terminology. Prerequisite(s): Successful completion of MAP 121 and MAP 124. Co-requisites: MAP 146.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
3821	4 Cr	2:30PM-6:30PM	MW	07/03/17-08/30/17	21 211	Keith, Lora	[HYBRID]

MAP 171 AUTOMATED COMPUTER APPLICATIONS

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

Additional Fee: 19.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
3811	4 Cr	7:00PM-10:30PM	DAILY	08/04/17-09/01/17	21 104	Keith, Lora	[HYBRID]

MAP 179 HEALTH INSURANCE, CODING PRACTICES & BILL COLLEC

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

Additional Fee: 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>
3801	5 Cr	7:00PM-10:15PM	DAILY	07/03/17-08/04/17	21 108	Keith, Lora	[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 169, MAP 173, MAP 177, and MAP 177209. 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: 40.70

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location Faculty</u>	<u>Internet</u>
3861	3 Cr	8:00AM-3:00PM	DAILY	07/05/17-07/17/17	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: 53.20

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location Faculty</u>	<u>Internet</u>
3851	8 Cr	0:RM-0:M	DAILY	07/18/17-08/25/17	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 Faculty</u>	<u>Internet</u>
3841	1 Cr	9:00AM-2:00PM	DAILY	08/28/17-08/31/17	21 111 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 Faculty</u>	<u>Internet</u>
5601	10 Cr	0:RM-0:M	DAILY	07/03/17-09/01/17	ARR 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.

Additional Fee: 24.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location Faculty</u>	<u>Internet</u>
5611	5 Cr	0:RM-0:M	DAILY	07/03/17-09/01/17	ARR Haggerty, Reb	

MEDICAL LABORATORY TECHNICAN

MLT 214 IMMUNOHEMATOLOGY

Applies the principles of antigens and antibodies covered in MLT 210 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 210 and MLT 217.

Additional Fee: 56.40

<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>
4821	6 Cr	10:00AM-4:00PM	DAILY	08/21/17-09/01/17	21 222	Guinn, Dana	[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 218.

Additional Fee: 76.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4811	10 Cr	10:00AM-4:00PM	DAILY	07/24/17-08/18/17	21 222	Guinn, Dana	[HYBRID]

MLT 227 CLINICAL CHEMISTRY

Beginning with an overview of the digestive system, students will study the relationship between blood levels of many substances and normal-versus-abnormal physiology. In the student laboratory, students will perform manual and semi-automated procedures for the assay of commonly measured blood components. Preventative maintenance of instruments, troubleshooting, and quality assurance are stressed throughout the course. This course is offered fall quarter. Prerequisite(s): Successful completion of MLT 216 and MLT 218.

Additional Fee: 66.20

<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>
4801	8 Cr	10:00AM-4:00PM	DAILY	07/03/17-07/21/17	21 222	Guinn, Dana	[HYBRID]

NON DESTRUCTIVE TESTING

MS 123 FUNDAMENTALS OF WELDING FOR NON WELDING MAJOR

Students will identify, perform, or witness various basic welding processes for prospective visual and non-destructive inspectors.

Additional Fee: 45.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
09F1	5 Cr	8:00AM-12:30PM	DAILY	07/03/17-09/01/17	SHC115	Boswell, Chri	

MS 126 FUNDAMENTALS OF COMPOSITES FOR THE NON-COMPOSITE

Introduces the various kinds of composite parts. This course explores the different types of resin, matrices, fibers, cores, and laminates. Students will explore their mechanical properties and the advantages of each type of composite structure. Covers the layup, winding, molding, curing, and repair of composite parts. Explores the role of NDT in testing composite parts after fabrication and after repair and the kinds of defects found.

Additional Fee: 45.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
09G1	4 Cr	8:00AM-12:30PM	DAILY	07/03/17-09/01/17	SHC115	Boswell, Chri	

MS 131 BLUEPRINT READING FUNDAMENTALS

Covers basic lines and views of drawings, identifying and interpreting weld and fabrication symbols, and

locating NDT requirements.

Additional Fee: 45.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location Faculty</u>	<u>Internet</u>
09H1	3 Cr	8:00AM-12:30PM	DAILY	07/03/17-09/01/17	SHC115 Boswell, Chri	

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: 59.70

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location Faculty</u>	<u>Internet</u>
09J1	3 Cr	8:00AM-12:30PM	DAILY	07/03/17-09/01/17	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: 69.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location Faculty</u>	<u>Internet</u>
09K1	5 Cr	8:00AM-12:30PM	DAILY	07/03/17-09/01/17	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 Faculty</u>	<u>Internet</u>
09L1	5 Cr	8:00AM-12:30PM	DAILY	07/03/17-09/01/17	SHC114 Musson, Chuck	[HYBRID]

NDT 240 CAPSTONE PROJECT

Designed to synthesize and integrate the knowledge gained in all previous courses and demonstrate the application of theory and practice through a project.

Additional Fee: 45.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location Faculty</u>	<u>Internet</u>
09M1	3 Cr	0:RM-0:M	DAILY	07/03/17-09/01/17	SHC114 Musson, Chuck	

NDT 250 NDT INTERNSHIP

Provides on-the-job practical experience under the supervision of an employer. Instructor permission is required for the site choice. Prerequisite: Advanced standing and Instructor's permission.

Additional Fee: 45.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location Faculty</u>	<u>Internet</u>
09N1	Var	0:RM-0:M	DAILY	07/03/17-09/01/17	SHC114 Musson, Chuck	

NURSING ASSISTANT

NAC 108 NURSING ASSISTANT THEORY

The Nursing Assistant Certified Program prepares students for employment as a basic care provider under the supervision of a professional licensed provider such as a Registered Nurse. This course is an introduction to the role and responsibilities of being a Nursing Assistant and includes the following topics: Resident/Work Environment, Infection Control, HIV/AIDS training, Special Needs of the Elderly,

Communication and Interpersonal Skills, Body systems (introduction to key anatomical, physiological and pathological terms), CPR training, documentation, responsibilities, Residents Rights, long-term care setting, Legal/ethical Issues, Stages of Death and Dying and HIPAA training. This course will meet the didactic portion of Washington State and Omnibus Budget Reconciliation Act (OBRA) requirements for Nursing Assistant Training

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
NS01	5 Cr	8:00AM-2:30PM	DAILY	07/03/17-07/14/17	21 211	Sword, Yvette	

NAC 111 NURSING SKILL FUNDAMENTALS

Prepares students for employment as a basic patient care provider under the supervision of professional licensed providers such as a Registered Nurse. Includes content describing principles of providing basic patient care. Provides the minimum requirements for skill competencies as required under the Washington State and Omnibus Budget Reconciliation Act (OBRA) requirements for the Nursing Assistant Training.

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>
NS11	2 Cr	ARRANGED	ARRANGED	07/17/17-09/01/17	21 137	Sword, Yvette	
NS21	2 Cr	ARRANGED	ARRANGED	07/17/17-09/01/17	21 137	Young, Sandr	

NAC 114 UNIT BASED CLINICAL EXPERIENCE

Prepares students for employment as a basic patient care provider under the supervision of professional licensed providers such as a Registered Nurse. The course includes content describing principles of documentation, accurate observation and reporting of resident's conditions and philosophy of restorative nursing program as well as clinical practice experience under the supervision of the NAC instructor.

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>
NS31	2 Cr	ARRANGED	ARRANGED	07/03/17-09/01/17	ARR	Sword, Yvette	

NURSING ASSISTANT I-BEST

NAC 108 NURSING ASSISTANT THEORY

The Nursing Assistant Certified Program prepares students for employment as a basic care provider under the supervision of a professional licensed provider such as a Registered Nurse. This course is an introduction to the role and responsibilities of being a Nursing Assistant and includes the following topics: Resident/Work Environment, Infection Control, HIV/AIDS training, Special Needs of the Elderly, Communication and Interpersonal Skills, Body systems (introduction to key anatomical, physiological and pathological terms), CPR training, documentation, responsibilities, Residents Rights, long-term care setting, Legal/ethical Issues, Stages of Death and Dying and HIPAA training. This course will meet the didactic portion of Washington State and Omnibus Budget Reconciliation Act (OBRA) requirements for Nursing Assistant Training

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
NS01	5 Cr	8:00AM-2:30PM	DAILY	07/03/17-07/14/17	21 211	Sword, Yvette	

NAC 111 NURSING SKILL FUNDAMENTALS

Prepares students for employment as a basic patient care provider under the supervision of professional licensed providers such as a Registered Nurse. Includes content describing principles of providing basic patient care. Provides the minimum requirements for skill competencies as required

under the Washington State and Omnibus Budget Reconciliation Act (OBRA) requirements for the Nursing Assistant Training.

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>
NS11	2 Cr	ARRANGED		ARRANGED 07/17/17-09/01/17	21 137	Sword, Yvette	
NS21	2 Cr	ARRANGED		ARRANGED 07/17/17-09/01/17	21 137	Young, Sandr	

NAC 114 UNIT BASED CLINICAL EXPERIENCE

Prepares students for employment as a basic patient care provider under the supervision of professional licensed providers such as a Registered Nurse. The course includes content describing principles of documentation, accurate observation and reporting of resident's conditions and philosophy of restorative nursing program as well as clinical practice experience under the supervision of the NAC instructor.

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>
NS31	2 Cr	ARRANGED		ARRANGED 07/03/17-09/01/17	ARR	Sword, Yvette	

NURSING PRACTICAL-NURSING

NURS 125 PHARMACOLOGY IN NURSING

Presents pharmacological concepts and principles for preparation and administration of medications, along with related client assessment and teaching. The role and responsibility of the practical nurse in drug therapy is emphasized. Students are prepared to participate safely and effectively in medication therapy. Prerequisite(s): Successful completion of NURS 117, NURS 120, NURS 122, NURS 123 and NURS 124.

Instructor Permission required.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
8001	3 Cr	8:00AM-11:15AM	M	07/03/17-08/28/17	21 210	Carver, Rober	[HYBRID]

NURS 126 BASIC HEALTH ASSESSMENT & SKILLS II

Students will demonstrate competence in selected nursing skills, using simulation equipment or other nursing students as clients. Students will also have a clinical experience focusing on safe nursing practice, nursing process, communication, documentation, and client teaching. Prerequisite(s): Successful completion of NURS 117, NURS 120, NURS 122, NURS 123 and NURS 124.

Instructor Permission required.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
8011	3 Cr	12:00PM-1:10PM	W	07/05/17-08/30/17	21 210	Hernandez, Ka	[HYBRID]

NURS 130 NURSING OF CHILDREN

Presents the principles necessary for the student to care for clients throughout the age continuum, with special emphasis on developmental stages and how they impact self-care. Common diseases and disorders related to each developmental stage are explored. Prerequisite(s): Successful completion of NURS 117, NURS 120, NURS 122, NURS 123 and NURS 124.

Instructor Permission required.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
8021	3 Cr	12:00PM-3:15PM	M	07/03/17-08/28/17	21 210	Staff	[HYBRID]

NURS 131 MEDICAL-SURGICAL NURSING II

Focuses on use of the nursing process in care of clients with selected health disturbances. Emphasis is given to psychological, sociocultural, and developmental factors. Pharmacologic and nutritional consideration and client teaching are integrated. Prerequisite(s): Successful completion of NURS 117, NURS 120, NURS 122, NURS 123 and NURS 124.

Instructor Permission required.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location Faculty</u>	<u>Internet</u>
8031	3 Cr	8:00AM-11:15AM	W	07/06/17-08/31/17	21 210 Hatfield, Jud	[HYBRID]

NURS 145 MEDICAL-SURGICAL NURSING IV

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

Instructor Permission required.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location Faculty</u>	<u>Internet</u>
8041	4 Cr	8:00AM-1:00PM	M	07/03/17-08/28/17	21 108 Westberry, Ca	[HYBRID]

NURS 154 ISSUES & TRENDS IN NURSING II

Prepares students for entry into nursing practice. Emphasis is on concepts of leadership, role of the practical nurse, and nursing laws governing practice. Career opportunities, preparation for licensure, and opportunities for further education in nursing are explored. Prerequisite(s): Successful completion of NURS 133, NURS 149 and NURS 153.

Instructor Permission required.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location Faculty</u>	<u>Internet</u>
8051	2 Cr	12:00PM-2:00PM	M	07/03/17-08/28/17	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.

Instructor Permission required.

Additional Fee: 102.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location Faculty</u>	<u>Internet</u>
8061	4 Cr	ARRANGED	ARRANGED	07/03/17-09/01/17	ARR Staff	[HYBRID]

NURS 164 CLINICAL PRACTICUM IV

Provides an opportunity for students to provide care to clients in long-term care and acute and community settings. Experience involves direct client care, nursing procedures, and administration of medication to diverse clients of every stage of life. Focus is on safe nursing practices, nursing process, communication, and practice in providing complete care for two or more clients. Prerequisite(s): Successful completion of NURS 133, NURS 149 and NURS 153.

Instructor Permission required.

Additional Fee: 14.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location Faculty</u>	<u>Internet</u>
8071	4 Cr	ARRANGED	ARRANGED	07/03/17-09/01/17	ARR Staff	[HYBRID]

NURS 250 NURSING CONCEPTS VIII

Utilizes a concept-based approach to explore the nursing process in providing safe patient care for clients with complex health care issues. The focus of this course will be on health and illness-related

concepts: perfusion, digestion, acid based balance, fluid and electrolytes, and metabolism.
Prerequisite(s): Successful completion of NURS 244, NURS 245, NURS 246 and NURS 248.

Instructor Permission required.

Additional Fee: 165.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
2501	4 Cr	4:00PM-8:30PM	T	07/06/17-08/31/17	21 210	Carver, Rober	[HYBRID]

NURS 252 PRACTICAL CAPSTONS

Provides the student with an opportunity to learn and have direct involvement in responsibility and accountability for the provision of care, within the scope of practice of a Registered Nurse, in a mentored clinical experience. Each student will be assigned a preceptor to work with for a minimum of 145 hours. Prerequisite(s): Successful completion of NURS 244, NURS 245, NURS 246 and NURS 248.

Instructor Permission required.

Additional Fee: 14.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
2511	4 Cr	ARRANGED	ARRANGED	07/03/17-09/01/17	ARR	Heaton, Cheye	[HYBRID]

NURS 254 NURSING CONCEPTS IX

Utilizes a concept-based approach to explore the nursing process in providing safe patient care for clients with complex health care issues. The focus of this course will be on health and illness related concepts: intracranial regulation, sensory perception, thermoregulation, and cellular regulation.

Prerequisite(s): Successful completion of NURS 244, NURS 245, NURS 246 and NURS 248.

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>
2521	4 Cr	4:00PM-8:00PM	W	07/06/17-08/31/17	21 210	Bahrt, David	[HYBRID]

NURSING RN-OPTION

NURS 125 PHARMACOLOGY IN NURSING

Presents pharmacological concepts and principles for preparation and administration of medications, along with related client assessment and teaching. The role and responsibility of the practical nurse in drug therapy is emphasized. Students are prepared to participate safely and effectively in medication therapy. Prerequisite(s): Successful completion of NURS 117, NURS 120, NURS 122, NURS 123 and NURS 124.

Instructor Permission required.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
8001	3 Cr	8:00AM-11:15AM	M	07/03/17-08/28/17	21 210	Carver, Rober	[HYBRID]

NURS 126 BASIC HEALTH ASSESSMENT & SKILLS II

Students will demonstrate competence in selected nursing skills, using simulation equipment or other nursing students as clients. Students will also have a clinical experience focusing on safe nursing practice, nursing process, communication, documentation, and client teaching. Prerequisite(s): Successful completion of NURS 117, NURS 120, NURS 122, NURS 123 and NURS 124.

Instructor Permission required.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
8011	3 Cr	12:00PM-1:10PM	W	07/05/17-08/30/17	21 210	Hernandez, Ka	[HYBRID]

NURS 130 NURSING OF CHILDREN

Presents the principles necessary for the student to care for clients throughout the age continuum, with special emphasis on developmental stages and how they impact self-care. Common diseases and disorders related to each developmental stage are explored. Prerequisite(s): Successful completion of NURS 117, NURS 120, NURS 122, NURS 123 and NURS 124.

Instructor Permission required.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
8021	3 Cr	12:00PM-3:15PM	M	07/03/17-08/28/17	21 210	Staff	[HYBRID]

NURS 131 MEDICAL-SURGICAL NURSING II

Focuses on use of the nursing process in care of clients with selected health disturbances. Emphasis is given to psychological, sociocultural, and developmental factors. Pharmacologic and nutritional consideration and client teaching are integrated. Prerequisite(s): Successful completion of NURS 117, NURS 120, NURS 122, NURS 123 and NURS 124.

Instructor Permission required.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
8031	3 Cr	8:00AM-11:15AM	W	07/06/17-08/31/17	21 210	Hatfield, Jud	[HYBRID]

NURS 145 MEDICAL-SURGICAL NURSING IV

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

Instructor Permission required.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
8041	4 Cr	8:00AM-1:00PM	M	07/03/17-08/28/17	21 108	Westberry, Ca	[HYBRID]

NURS 154 ISSUES & TRENDS IN NURSING II

Prepares students for entry into nursing practice. Emphasis is on concepts of leadership, role of the practical nurse, and nursing laws governing practice. Career opportunities, preparation for licensure, and opportunities for further education in nursing are explored. Prerequisite(s): Successful completion of NURS 133, NURS 149 and NURS 153.

Instructor Permission required.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
8051	2 Cr	12:00PM-2:00PM	M	07/03/17-08/28/17	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.

Instructor Permission required.

Additional Fee: 102.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
8061	4 Cr	ARRANGED	ARRANGED	07/03/17-09/01/17	ARR	Staff	[HYBRID]

NURS 164 CLINICAL PRACTICUM IV

Provides an opportunity for students to provide care to clients in long-term care and acute and community settings. Experience involves direct client care, nursing procedures, and administration of medication to diverse clients of every stage of life. Focus is on safe nursing practices, nursing process,

communication, and practice in providing complete care for two or more clients. Prerequisite(s): Successful completion of NURS 133, NURS 149 and NURS 153.

Instructor Permission required.

Additional Fee: 14.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
8071	4 Cr	ARRANGED	ARRANGED	07/03/17-09/01/17	ARR	Staff	[HYBRID]

NURS 250 NURSING CONCEPTS VIII

Utilizes a concept-based approach to explore the nursing process in providing safe patient care for clients with complex health care issues. The focus of this course will be on health and illness-related concepts: perfusion, digestion, acid based balance, fluid and electrolytes, and metabolism.

Prerequisite(s): Successful completion of NURS 244, NURS 245, NURS 246 and NURS 248.

Instructor Permission required.

Additional Fee: 165.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
2501	4 Cr	4:00PM-8:30PM	T	07/06/17-08/31/17	21 210	Carver, Rober	[HYBRID]

NURS 252 PRACTICAL CAPSTONS

Provides the student with an opportunity to learn and have direct involvement in responsibility and accountability for the provision of care, within the scope of practice of a Registered Nurse, in a mentored clinical experience. Each student will be assigned a preceptor to work with for a minimum of 145 hours. Prerequisite(s): Successful completion of NURS 244, NURS 245, NURS 246 and NURS 248.

Instructor Permission required.

Additional Fee: 14.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
2511	4 Cr	ARRANGED	ARRANGED	07/03/17-09/01/17	ARR	Heaton, Cheye	[HYBRID]

NURS 254 NURSING CONCEPTS IX

Utilizes a concept-based approach to explore the nursing process in providing safe patient care for clients with complex health care issues. The focus of this course will be on health and illness related concepts: intracranial regulation, sensory perception, thermoregulation, and cellular regulation.

Prerequisite(s): Successful completion of NURS 244, NURS 245, NURS 246 and NURS 248.

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>
2521	4 Cr	4:00PM-8:00PM	W	07/06/17-08/31/17	21 210	Bahrt, David	[HYBRID]

NUTRITION

NUTR& 101 NUTRITION

An exploration of macronutrients (carbohydrates, proteins, and fats) and micronutrients (vitamins and minerals) and their role in growth, development, and optimal health throughout the lifespan. A study in the anatomy and physiology of the gastrointestinal tract and its relation to digestion, absorption, and metabolism of nutrients will be completed. Students will explore the role of nutrition in preventing nutrition-related diseases. A healthy dietary plan will be developed to assist students in making healthy changes in their nutritional status for themselves and other members of their community.

Prerequisite(s): Successful completion of ENGL& 101.

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>
0530	5 Cr	12:00PM-2:30PM	F	07/07/17-08/25/17	21 107	Scott, Patric	[HYBRID]

OPERATIONS MANAGEMENT

OPM 411 FACILITY LAYOUT AND MATERIALS HANDLING

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>
BA01	5 Cr	0:RM-0:M	Sa	07/03/17-09/01/17	19 122	Oyler, Mel	[HYBRID]

OPM 413 MEASUREMENT AND STATISTICAL PROCESS CONTROL

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>
BA11	5 Cr	0:RM-0:M	Sa	07/03/17-09/01/17	19 122	Oyler, Mel	[HYBRID]

PASTRY ARTS

BAKE 106 CHOCOLATE I

Explores the different types of chocolate used in making assorted treats, candies, and garnishes. Various methods of tempering, chocolate decorating, fudges, truffles, and other candies will be identified.

Instructor Permission required.

Additional Fee: 127.80

<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>
3511	4 Cr	7:00AM-10:00AM	TTh	07/06/17-08/31/17	23 313	Newman, Shell	

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: 142.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
3521	7 Cr	6:00AM-2:30PM	TWThF	07/06/17-09/01/17	23 313	Newman, Shell	

BAKE 115 PATISSERIE II

Provides students with the opportunity to refine fundamental cooking, time-management and production competencies in the program-run bistro. These include making scones, muffins, cookies, and cake; demonstrating how to read, write, and follow a standard recipe; and understanding the basic principles of various cooking methods. Students will uphold a high level of professionalism.

Instructor Permission required.

Additional Fee: 142.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location Faculty</u>	<u>Internet</u>
3501	7 Cr	6:00AM-2:30PM	TWThF	07/06/17-09/01/17	23 313 Newman, Shell	

BAKE 117 FROZEN DESSERTS

Explores the world of frozen desserts. Students will develop recipes for various frozen desserts, such as gelato, sorbets, parfaits, and ice creams, along with savory desserts with the use of herbs, spices, and vegetables.

Instructor Permission required.

Additional Fee: 122.90

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location Faculty</u>	<u>Internet</u>
3531	3 Cr	10:00AM-12:00PM	TTTh	07/06/17-08/31/17	23 313 Newman, Shell	

BAKE 119 YEAST BREADS

Introduces students to the techniques used with starters and yeasts. Students will demonstrate how to cultivate yeast with proper proofing and baking techniques, along with completing a variety of yeast breads.

Instructor Permission required.

Additional Fee: 127.80

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location Faculty</u>	<u>Internet</u>
3541	4 Cr	7:00AM-10:00AM	WF	07/05/17-09/01/17	23 313 Newman, Shell	

BAKE 121 PATISSERIE III

Introduces students to the experience of managing, training, and mentoring fellow classmates. Provides students with the opportunity to further refine fundamental cooking, time-management and production competencies in the program-run bistro. These include making scones, muffins, cookies, and cake; demonstrating how to read, write, and follow a standard recipe; and understanding the basic principles of various cooking methods. Students will uphold a high level of professionalism. Instructor permission required.

Instructor Permission required.

Additional Fee: 142.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location Faculty</u>	<u>Internet</u>
3551	7 Cr	6:00AM-2:30PM	TWThF	07/06/17-09/01/17	23 313 Newman, Shell	

BAKE 162 RETAIL AND CUSTOMER SERVICE

Familiarizes students with all aspects of retail service, cashiering and retail displays. Included are opening/closing procedures, retail layout and presentation, customer service, leadership, sanitation and safety, proper cash handling, and sales techniques. Instructor permission required.

Instructor Permission required.

Additional Fee: 142.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location Faculty</u>	<u>Internet</u>
3561	7 Cr	9:00AM-1:45PM	WThF	07/05/17-09/01/17	23 313 Newman, Shell	

BAKE 210 CAKES II

Introduces students to advanced cakes, such as high ratio, chiffon cakes, and torts, along with buttercream icings and fondant. Temperature and environmental factors in cake making will also be covered.

Instructor Permission required.

Additional Fee: 122.90

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location Faculty</u>	<u>Internet</u>
3571	3 Cr	10:00AM-1:00PM	WF	07/05/17-09/01/17	23 313 Newman, Shell	

PHARMACY TECHNICIAN

PT 121 INTRODUCTION TO PHARMACY & PHARMACY LAW

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

Instructor Permission required.

Additional Fee: 99.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
2701	5 Cr	ARRANGED	ARRANGED	07/03/17-09/01/17	ARR	Autry, Trisha	[HYBRID]

PT 123 PHARMACOLOGY WITH DRUG NAMES PART I

Instructor Permission required.

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>
2711	6 Cr	10:00AM-10:50AM	Th	07/03/17-09/01/17	21 226	Autry, Trisha	[HYBRID]

PT 125 COMMUNITY PHARMACY WITH DOSAGE CALCULATIONS

Instructor Permission required.

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>
2721	6 Cr	11:00AM-2:30PM	Th	07/03/17-09/01/17	21 226	Autry, Trisha	[HYBRID]

PT 127 PHARMACY LAB #1

Instructor Permission required.

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>
2731	2 Cr	10:00AM-2:30PM	W	07/03/17-09/01/17	21 226	Autry, Trisha	[ENHANCED]

PT 128 PHARMACOLOGY PART II

Continues the exploration of drug action mechanisms, the routes of administration, and the effects on body systems. Emphasis on the uses, effects, and side effects of the major drug classes and the systems they are used on. Prerequisite(s): Successful completion of PT 121, PT 124, PT 131, PT 144, and PT 156 with grades of B or above in all courses.

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>
2741	5 Cr	ARRANGED	ARRANGED	07/03/17-09/01/17	ARR	Sparks, M	[HYBRID]

PT 145 HOSPITAL PRACTICE

Introduces students to formularies, manual and electronic distribution systems, and procedures for hospital practice. Prerequisite(s): Successful completion of PT 121, PT 124, PT 131, PT 144, and PT 156 with grades of 'B' or above in all courses.

Additional Fee: 19.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
2761	4 Cr	7:30AM-10:00AM	Th	07/06/17-08/31/17	21 226	Sparks, M	[HYBRID]

PT 148 CLINICAL CAPSTONE RESEARCH

Discover local pharmacies and the requirements for internship. Explore professional conduct and appearance. Prepare for National Certification. Prerequisite: Successful completion of all first quarter pharmacy technician requirements.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
2781	4 Cr	10:00AM-12:00PM	Th	07/06/17-08/31/17	21 226	Sparks, M	[HYBRID]

PT 153 GENERIC DRUG NAMES PART II

Continues the exploration of the top 200 drugs prescribed in the United States each year, adding the component of drugs used specifically in the hospital setting. Prerequisite(s): Successful completion of PT 121, PT 124, PT 131, PT 144 and PT 156 with a grade of 'B' or above.

Additional Fee: 14.70

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
2751	3 Cr	12:00PM-1:00PM	T	07/06/17-08/31/17	21 226	Sparks, M	[HYBRID]

PT 160 STERILE PARENTERAL PRODUCT PREPARATIONS

Students will apply techniques learned to prepare sterile compounding products. Emphasis will be on aseptic technique and USP <797>. Prerequisite(s): Successful completion of PT 121, PT 124, PT 131, PT 144 and PT 156 with grades of 'B' or above in all courses.

Additional Fee: 91.55

<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>
2771	3 Cr	7:30AM-11:30AM	T	07/11/17-08/29/17	21 226	Sparks, M	[HYBRID]

PROFESSIONAL PILOT

AVP 105 PRIVATE PILOT I

Training in basic aircraft control, aircraft systems, airport procedures, and traffic pattern operations.

Prerequisite(s): FAA Class II Medical with Student Pilot Certificate prior to the first day of class.

Instructor permission only.

Instructor Permission required.

Additional Fee: 19.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
5101	4 Cr	12:00PM-3:00PM	DAILY	07/03/17-09/01/17	SHC105	Collins, Mars	

AVP 110 PRIVATE PILOT II

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

Instructor Permission required.

Additional Fee: 19.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
5111	4 Cr	12:00PM-3:00PM	DAILY	07/03/17-09/01/17	SHC105	Collins, Mars	

AVP 115 PRIVATE PILOT III

Basic performance maneuvers, traffic pattern procedures, and takeoffs and landings. Upon successful completion, students will solo the aircraft. Prerequisite(s): Successful completion of AVP 110 or equivalent. Instructor permission only.

Instructor Permission required.

Additional Fee: 19.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location Faculty</u>	<u>Internet</u>
5121	4 Cr	12:00PM-3:00PM	DAILY	07/03/17-09/01/17	SHC105 Collins, Mars	

AVP 118 PRIVATE PILOT PRACTICAL TEST STANDARDS I

Receive additional flight and ground training as required to meet pilot certification requirements. Prerequisite(s): Solo endorsement and completion of a solo flight. Instructor permission only.

Instructor Permission required.

Additional Fee: 19.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location Faculty</u>	<u>Internet</u>
5131	4 Cr	12:00PM-3:00PM	DAILY	07/03/17-09/01/17	SHC105 Collins, Mars	[ENHANCED]

AVP 125 PRIVATE PILOT IV

Introduces knowledge, skills and aeronautical experience necessary to successfully complete the navigation and cross-country flight portion of flight training. Prerequisite(s): Grade of 'C' or better in AVP 115 or equivalent. Pre-solo written exam must be completed with a passing grade. Instructor permission only.

Instructor Permission required.

Additional Fee: 19.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location Faculty</u>	<u>Internet</u>
5141	4 Cr	12:00PM-3:00PM	DAILY	07/03/17-09/01/17	SHC105 Collins, Mars	

AVP 130 PRIVATE PILOT V

Provides the knowledge, skill, and aeronautical experience necessary to read and understand disseminated weather reports and forecasts. Meets the requirements for cross-country navigation and basic instrument flight. Prerequisite(s): Successful completion of AVP 125 or equivalent. Pre-solo written exam must be completed with a passing grade. Instructor permission only.

Instructor Permission required.

Additional Fee: 19.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location Faculty</u>	<u>Internet</u>
5151	4 Cr	12:00PM-3:00PM	DAILY	07/03/17-09/01/17	SHC105 Collins, Mars	

AVP 135 PRIVATE PILOT VI

Gain the proficiency to meet the requirements necessary for FAA Private Pilot Certification with an Airplane Category and Single-Engine Class Rating. Prerequisite(s): Successful completion of AVP 130 or equivalent. Pre-solo written exam must be completed with a passing grade. Instructor permission only.

Instructor Permission required.

Additional Fee: 19.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location Faculty</u>	<u>Internet</u>
5161	4 Cr	12:00PM-3:00PM	DAILY	07/03/17-09/01/17	SHC105 Collins, Mars	

AVP 138 PRIVATE PILOT PRACTICAL TEST STANDARDS II

Receive additional flight and ground training as required to meet pilot certification requirements. Prerequisite(s): Solo endorsement and completion of a solo flight. Instructor permission only.

Instructor Permission required.

Additional Fee: 19.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location Faculty</u>	<u>Internet</u>
5171	4 Cr	12:00PM-3:00PM	DAILY	07/03/17-09/01/17	SHC105 Collins, Mars	[ENHANCED]

AVP 140 INSTRUMENT PILOT I

Introduces skills that will establish a strong foundation in basic attitude instrument flying and basic instrument navigation. Prerequisite(s): FAA Private Pilot Certificate. Instructor permission only.

Instructor Permission required.

Additional Fee: 19.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location Faculty</u>	<u>Internet</u>
5181	4 Cr	8:00AM-11:00AM	DAILY	07/03/17-09/01/17	SHC105 Collins, Mars	

AVP 145 INSTRUMENT PILOT II

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

Instructor Permission required.

Additional Fee: 19.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location Faculty</u>	<u>Internet</u>
5191	4 Cr	8:00AM-11:00AM	DAILY	07/03/17-09/01/17	SHC105 Collins, Mars	

AVP 150 INSTRUMENT PILOT III

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

Instructor Permission required.

Additional Fee: 19.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location Faculty</u>	<u>Internet</u>
51A1	4 Cr	8:00AM-11:00AM	DAILY	07/03/17-09/01/17	SHC105 Collins, Mars	

AVP 152 INSTRUMENT PILOT PRACTICE III

Receive additional flight and ground training as required to meet pilot certification requirements.

Prerequisite(s): Instructor permission only.

Instructor Permission required.

Additional Fee: 19.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location Faculty</u>	<u>Internet</u>
51B1	4 Cr	8:00AM-11:00AM	DAILY	07/03/17-09/01/17	SHC105 Collins, Mars	[ENHANCED]

AVP 155 INSTRUMENT PILOT IV

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

Instructor Permission required.

Additional Fee: 19.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location Faculty</u>	<u>Internet</u>
51C1	4 Cr	8:00AM-11:00AM	DAILY	07/03/17-09/01/17	SHC105 Collins, Mars	

AVP 160 INSTRUMENT PILOT V

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

Instructor Permission required.

Additional Fee: 19.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location Faculty</u>	<u>Internet</u>
51D1	4 Cr	8:00AM-11:00AM	DAILY	07/03/17-09/01/17	SHC105 Collins, Mars	

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 Faculty</u>	<u>Internet</u>
51F1	4 Cr	8:00AM-11:00AM	DAILY	07/03/17-09/01/17	SHC105 Collins, Mars	

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 Faculty</u>	<u>Internet</u>
51G1	4 Cr	8:00AM-11:00AM	DAILY	07/03/17-09/01/17	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 Faculty</u>	<u>Internet</u>
51H1	4 Cr	8:00AM-11:00AM	DAILY	07/03/17-09/01/17	SHC105 Collins, Mars	

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 Faculty</u>	<u>Internet</u>
51J1	4 Cr	8:00AM-11:00AM	DAILY	07/03/17-09/01/17	SHC105 Collins, Mars	

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 Faculty</u>	<u>Internet</u>
51K1	4 Cr	8:00AM-11:00AM	DAILY	07/03/17-09/01/17	SHC105 Collins, Mars	

AVP 190 AIRLINE MULTI-ENGINE CRM I

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

Instructor Permission required.

Additional Fee: 14.70

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location Faculty</u>	<u>Internet</u>
51AA	3 Cr	0:RM-0:M	DAILY	07/03/17-09/01/17	SHC105 Holm, Lucas	

AVP 195 AIRLINE MULTI-ENGINE CRM II

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

Instructor Permission required.

Additional Fee: 14.70

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location Faculty</u>	<u>Internet</u>
51AB	3 Cr	ARRANGED	ARRANGED	07/03/17-09/01/17	SHC105 Holm, Lucas	

AVP 210 COMMERCIAL PILOT IV

Receive initial flight and ground training in high-performance Commercial Pilot Certification maneuvers. Flight maneuver training includes chandelles, lazy eights, steep power turns, and accuracy landings. Prerequisite(s): Grade of '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 Faculty</u>	<u>Internet</u>
51L1	4 Cr	8:00AM-11:00AM	DAILY	07/03/17-09/01/17	SHC105 Collins, Mars	

AVP 215 COMMERCIAL PILOT V

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

Instructor Permission required.

Additional Fee: 19.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location Faculty</u>	<u>Internet</u>
51M1	4 Cr	8:00AM-11:00AM	DAILY	07/03/17-09/01/17	SHC105 Collins, Mars	

AVP 218 MULTI-ENGINE INSTRUCTOR CERTIFICATION MEI

Obtain and/or update knowledge and skills to meet Federal Aviation Administration multi-engine instructor requirements. Multi-engine operations, systems, performance, instrument, and aerodynamics will be examined. Emergency operations, including engine-out performance, aerodynamics, decision making, and instrument flight, will be studied. Prerequisite(s): Must be at least 18 years of age and be able to read, speak, write, and understand the English language. Must comply with FAA licensing standards and possess an FAA private pilot certificate. Second-class FAA medical certificate required prior to the first day of class. Please contact instructor for details. The Transportation Security

Administration (TSA) requires that U.S. citizens prove citizenship status before beginning flight training by providing a current passport or birth certificate and driver's license. Non-U.S. students must submit to a background and fingerprint check from the TSA prior to beginning training. Contact instructor for details. Must have instructor permission.

Instructor Permission required.

Additional Fee: 14.70

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location Faculty</u>	<u>Internet</u>
51AD	3 Cr	ARRANGED	ARRANGED	07/03/17-09/01/17	SHC105 Holm, Lucas	

AVP 220 COMMERCIAL PILOT VI

Receive advanced training in all the required Commercial Pilot Certification maneuvers. Flying proficiency in these maneuvers will meet the requirements set forth in the FAA Practical Test Standards.

Prerequisite(s): Successful completion of AVP 215 or equivalent.

Instructor Permission required.

Additional Fee: 19.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location Faculty</u>	<u>Internet</u>
51N1	4 Cr	8:00AM-11:00AM	DAILY	07/03/17-09/01/17	SHC105 Collins, Mars	

AVP 223 COMMERCIAL PILOT PRACTICAL STANDARDS V

Receive additional flight and ground training as required to meet pilot certification requirements.

Prerequisite(s): Instructor permission only.

Instructor Permission required.

Additional Fee: 19.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location Faculty</u>	<u>Internet</u>
51P1	4 Cr	8:00AM-11:00AM	DAILY	07/03/17-09/01/17	SHC105 Collins, Mars	[ENHANCED]

AVP 230 COMMERCIAL PILOT VII

Operate a high-performance aircraft with retractable landing gear and constant-speed propeller. Basic flight maneuvers and aircraft systems will be covered. Prerequisite(s): Grade of 'C' or better in AVP 220 or equivalent. Instructor permission only.

Instructor Permission required.

Additional Fee: 19.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location Faculty</u>	<u>Internet</u>
51Q1	4 Cr	8:00AM-11:00AM	DAILY	07/03/17-09/01/17	SHC105 Collins, Mars	

AVP 235 COMMERCIAL PILOT VIII

Operate a high-performance aircraft with retractable landing gear and constant-speed propeller.

Advanced flight maneuvers, as well as emergency procedures, will be mastered. Prerequisite(s):

Successful completion of AVP 230 or equivalent. Instructor permission only.

Instructor Permission required.

Additional Fee: 19.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location Faculty</u>	<u>Internet</u>
51R1	4 Cr	8:00AM-11:00AM	DAILY	07/03/17-09/01/17	SHC105 Collins, Mars	

AVP 240 COMMERCIAL PILOT IX

Operate a high-performance aircraft with retractable landing gear and constant-speed propeller.

Increase proficiency in 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 Faculty</u>	<u>Internet</u>
51S1	4 Cr	8:00AM-11:00AM	DAILY	07/03/17-09/01/17	SHC105 Collins, Mars	

AVP 245 COMMERCIAL PILOT X

Receive initial preparative training to increase aeronautical skills and experience to meet the requirements for the issuance of a Commercial Pilot Certificate. Prerequisite(s): Grade of 'C' 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 Faculty</u>	<u>Internet</u>
51T1	4 Cr	8:00AM-11:00AM	DAILY	07/03/17-09/01/17	SHC105 Collins, Mars	

AVP 250 COMMERCIAL PILOT XI

Receive additional preparative training to increase aeronautical skills and experience to meet the requirements for the issuance of a Commercial Pilot Certificate. Prerequisite(s): Successful completion of AVP 245 or equivalent. Instructor permission only.

Instructor Permission required.

Additional Fee: 19.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location Faculty</u>	<u>Internet</u>
51U1	4 Cr	8:00AM-11:00AM	DAILY	07/03/17-09/01/17	SHC105 Collins, Mars	

AVP 255 COMMERCIAL PILOT XII

Receive final advanced preparative training to increase aeronautical skills and experience to meet the requirements for the issuance of a Commercial Pilot Certificate. Prerequisite(s): AVP 250 or equivalent. Instructor permission only.

Instructor Permission required.

Additional Fee: 19.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location Faculty</u>	<u>Internet</u>
51V1	4 Cr	8:00AM-11:00AM	DAILY	07/03/17-09/01/17	SHC105 Collins, Mars	

AVP 257 COMMERCIAL PILOT PRACTICAL STANDARDS VI

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

Instructor Permission required.

Additional Fee: 19.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location Faculty</u>	<u>Internet</u>
51W1	4 Cr	8:00AM-11:00AM	DAILY	07/03/17-09/01/17	SHC105 Collins, Mars	[ENHANCED]

AVP 260 CERTIFIED FLIGHT INSTRUCTOR I

Receive initial training in teaching and learning theory, as well as overall review of commercial pilot aeronautical knowledge subject areas. Student will be trained to fly the aircraft from the right seat to Commercial Pilot Practical Test Standards. Prerequisite(s): FAA Commercial Pilot, Airplane Certificate and Instrument Airplane Rating. Instructor permission only.

Instructor Permission required.

Additional Fee: 19.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location Faculty</u>	<u>Internet</u>
51X1	4 Cr	8:00AM-11:00AM	DAILY	07/03/17-09/01/17	SHC105 Collins, Mars	

AVP 265 CERTIFIED FLIGHT INSTRUCTOR II

Master proper teaching techniques from the right seat of the training aircraft. Develop proficiency in conducting aeronautical knowledge briefings. Successful completion will result when knowledge and proficiency meet and/or exceed FAA Practical Test Standards. Prerequisite(s): Successful completion of AVP 260 or equivalent. Instructor permission only.

Instructor Permission required.

Additional Fee: 19.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location Faculty</u>	<u>Internet</u>
51Y1	4 Cr	8:00AM-11:00AM	DAILY	07/03/17-09/01/17	SHC105 Collins, Mars	

AVP 268 INSTRUMENT FLIGHT INSTRUCTOR

Acquire the aeronautical knowledge, skills, and experience necessary to obtain an FAA Instrument Flight Instructor Rating added to student's Certified Flight Instructor Certificate. Prerequisite(s): FAA Commercial Pilot Airplane Certificate with Instrument Airplane Rating Certified Flight Instructor-Airplane Certificate. Instructor permission only.

Instructor Permission required.

Additional Fee: 19.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location Faculty</u>	<u>Internet</u>
51Z1	4 Cr	8:00AM-11:00AM	DAILY	07/03/17-09/01/17	SHC105 Collins, Mars	

AVP 271 MULTI-ENGINE CERTIFICATION

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

Instructor Permission required.

Additional Fee: 14.70

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location Faculty</u>	<u>Internet</u>
51AC	3 Cr	0:RM-0:M	DAILY	07/03/17-09/01/17	SHC105 Holm, Lucas	

PSYCHOLOGY

PSY 112 PSYCHOLOGY OF THE WORKPLACE

Introduces general psychological principles and their application to the workplace emphasizing critical thinking with regard to self-awareness, interpersonal relations, motivation, and teamwork.

PREREQUISITE: COMPASS Reading Score of at least 81, equivalent SLEP score or successful completion of ENG 094.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location Faculty</u>	<u>Internet</u>
0532	5 Cr	ARRANGED	ARRANGED	07/03/17-09/01/17	ON LINE Anderson, Cha	[ONLINE]

PSYC& 100 GENERAL PSYCHOLOGY

Surveys the knowledge and methods of the discipline of psychology. Presents a broad view of this subject and establishes the foundation for further study of the discipline. Emphasis will be placed on applying psychological knowledge to daily situations, and on accessing and assessing information about behavior from a variety of sources. Skills in scientific reasoning and critical thinking will be developed. Prerequisite(s): Appropriate COMPASS (81 in reading, 77 in writing) placement score or successful completion of ENG 094.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
0533	5 Cr	ARRANGED	ARRANGED	07/03/17-09/01/17	ON LINE	Anderson, Cha	[ONLINE]
0534	5 Cr	ARRANGED	ARRANGED	07/03/17-09/01/17	ON LINE	Rose-Pennisi	[ONLINE]
0535	5 Cr	ARRANGED	ARRANGED	07/03/17-09/01/17	ON LINE	Rose-Pennisi	[ONLINE]
0536	5 Cr	9:10AM-10:05AM	DAILY	07/03/17-09/01/17	16 203	Anderson, Cha	[ENHANCED]

PSYC& 200 LIFESPAN PSYCHOLOGY

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
0537	5 Cr	ARRANGED	ARRANGED	07/03/17-09/01/17	ON LINE	Sperry, David	[ONLINE]

PSYC& 220 ABNORMAL PSYCHOLOGY

A study of the development and symptoms of mental health disorders. Topics covered include schizophrenia, mood disorders, anxiety disorders, personality disorders, psychosomatic disorders, sexual deviation, organic disorders, and the process of adjustment to stress. Attention is given to biosocial, cognitive, and cultural factors and their role in mental health. Prerequisite(s): Successful completion of PSYC& 100 or PSY 112.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
0538	5 Cr	ARRANGED	ARRANGED	07/03/17-09/01/17	ON LINE	Sperry, David	[ONLINE]

PUBLIC SPEAKING

CMST& 220 BUSINESS AND PROFESSIONAL SPEAKING

AN OPEN COURSE LIBRARY CLASS; inexpensive course materials. Assists students in developing real world oral communication skills. Capture the dynamics of today's business realities and see the benefits of effective communication. Selection of topics, library research, analysis, oral style, use of visual aids, and preparation and delivery of various types of speeches and oral presentations are included. The Internet, e-mail, community interaction, and other practical tools support student learning and increase public speaking skills. Emphasis is placed in principles of cultural diversity. Prerequisite: Appropriate COMPASS/SLEP placement score or successful completion of ENG 094.

Additional Fee: 24.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
0512	5 Cr	9:05AM-11:25AM	MW	07/03/17-08/30/17	14 212	Staff	[HYBRID]
0514	5 Cr	12:40PM-3:20PM	MW	07/03/17-08/30/17	14 212	Staff	[HYBRID]
0513	5 Cr	7:30AM-9:50AM	TTh	07/06/17-08/31/17	14 212	Staff	[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 Faculty</u>	<u>Internet</u>
3261	4 Cr	7:00AM-9:00AM	MTW	07/03/17-08/30/17	14 200B Phillips, Jen	[ENHANCED]

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.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location Faculty</u>	<u>Internet</u>
32C1	3 Cr	9:00AM-1:45PM	WThF	07/05/17-09/01/17	31 100 Phillips, Jen	[ENHANCED]
3581	3 Cr	9:00AM-1:45PM	WThF	07/05/17-09/01/17	23 313 Newman, Shell	

REST 109 MARKETING/PUBLIC RELATIONS

Learn how to create a marketing concept for your restaurant. Learn to define your target market and understand the importance of effective marketing in the industry. We will also look at current market trends, consumer behavior, market segmentation and positioning of your business in the market to get the desired results.

Instructor Permission required.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location Faculty</u>	<u>Internet</u>
3271	3 Cr	8:30AM-11:30AM	MT	07/03/17-08/29/17	14 200B Phillips, Jen	[ENHANCED]

REST 112 RESTAURANT DINING

Familiarizes the student with all aspects of running a casual style dining room which is open to the public. Included are opening/closing procedures, table set-up, customer service techniques, and leadership, sanitation, and safety procedures.

Instructor Permission required.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location Faculty</u>	<u>Internet</u>
32A1	7 Cr	9:00AM-1:45PM	WThF	07/05/17-09/01/17	31 100 Phillips, Jen	[ENHANCED]

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 Faculty</u>	<u>Internet</u>
3281	3 Cr	7:00AM-9:30AM	ThF	07/06/17-09/01/17	14 200B Phillips, Jen	[ENHANCED]

REST 119 OPERATIONS MANAGEMENT

Explore all aspects of running a successful operation in the hospitality industry. Students will learn how to create a positive work environment and apply team building and leadership skills. Students will also learn how to recruit new team members, establish hiring procedures, organize and implement systems

and controls, and handle issues that arise on a daily basis. Students will also explore how to use Excel programs and identify the benefits of using Excel for restaurants.

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 Faculty</u>	<u>Internet</u>
3291	4 Cr	11:30AM-2:00PM	MT	07/03/17-08/29/17	14 200B Phillips, Jen	[ENHANCED]

REST 131 BUSINESS PLAN DEVELOPMENT

Develop a restaurant concept from start to finish, including a hands-on look at how to develop a business plan to present to possible investors. Students will practice decision making and problem solving skills through creating and planning their own concept.

Instructor Permission required.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location Faculty</u>	<u>Internet</u>
32B1	4 Cr	9:00AM-1:45PM	WThF	07/05/17-09/01/17	31 100 Phillips, Jen	[ENHANCED]

RETAIL

RBM 105 FUNDAMENTALS OF ORGANIZATIONAL BEHAVIOR

Emphasizes the human factor in business, the job of the supervisor, human relations, the art of leadership and converting policy into action, job analysis and performance, how and when to discipline, and effective supervising techniques for a diverse workplace.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location Faculty</u>	<u>Internet</u>
5781	3 Cr	ARRANGED	ARRANGED	07/03/17-09/01/17	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 Faculty</u>	<u>Internet</u>
5791	3 Cr	ARRANGED	ARRANGED	07/03/17-09/01/17	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 Faculty</u>	<u>Internet</u>
57A1	3 Cr	ARRANGED	ARRANGED	07/03/17-09/01/17	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>
5741	3 Cr	ARRANGED	ARRANGED	07/03/17-09/01/17	ON LINE	Reyggers, Ryan	[ONLINE]

RBM 113 BUSINESS TECHNOLOGY FOR RETAIL APPLICATIONS

Gain hands-on experience with the fundamentals of Microsoft Office, such as entering data, formatting, copying and pasting, basic formula construction, auto summing and more. This course will not only teach you the basics of Office but will also teach you the thinking and mechanics of how to apply it to your everyday retail problems.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
57B1	3 Cr	ARRANGED	ARRANGED	07/03/17-09/01/17	ON LINE	Reyggers, Ryan	[ONLINE]

RBM 115 HUMAN RESOURCE MANAGEMENT

Identify the role of human resource management, including its scope and responsibilities. Students will examine the principles and methods used in the recruitment, selection, placement, and training of employees. Major laws, trends, and issues related to human resource administration will be discussed.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
57C1	3 Cr	ARRANGED	ARRANGED	07/03/17-09/01/17	ON LINE	Reyggers, Ryan	[ONLINE]

RBM 117 PRINCIPLES OF MANAGEMENT

Learn essential skills for operating an effective business. Topics include employee productivity, project management, human resources and job design, forecasting, statistical process , and supply chain management.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
5771	3 Cr	ARRANGED	ARRANGED	07/03/17-09/01/17	ON LINE	Reyggers, Ryan	[ONLINE]

RBM 119 FINANCIAL MANAGEMENT

Introduces students to key financial management topics that give insight into the issues and challenges facing financial managers every day. Examines the latest financial developments, including a discussion on IPOs as a broad topic and the sale of stock. This course delivers the solid understanding of financial management that a business student needs for future success.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
57J1	3 Cr	ARRANGED	ARRANGED	07/03/17-09/01/17	ON LINE	Reyggers, Ryan	[ONLINE]

RBM 123 CUSTOMER SERVICE STRATEGIES

Introduces concepts of effective customer service, step-by-step suggestions for improving communication, and valuable references for delivering exceptional internal and external customer-service skills.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
5751	5 Cr	ARRANGED	ARRANGED	07/03/17-09/01/17	ON LINE	Reyggers, Ryan	[ONLINE]

RBM 129 SPEAKING FOR SUCCESS

Theory and practice in composing and presenting oral business communications, both impromptu and prepared. Effective writing of business documents, methods of research, and presentation of oral class reports.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
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5721 5 Cr ARRANGED ARRANGED 07/03/17-09/01/17 ON REYGERS, RYAN [ONLINE]
LINE

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>
57G1	5 Cr	ARRANGED	ARRANGED	07/03/17-09/01/17	ON LINE	REYGERS, RYAN	[ONLINE]

RBM 159 E-COMMERCE PRINCIPLES & APPLICATIONS

This introduction to the world of electronic commerce provides the tools necessary to understand and capitalize on the explosion of Internet-based business in today's economy. Study the technologies used to create new opportunities for business-to-business and business-to-customer services. Social Media Marketing will give you a practical approach to developing successful social media marketing plans. A proven eight-step social-media planning model provides students with a cumulative learning experience, showing them how to construct social media strategies that achieve desired marketing goals.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
5761	4 Cr	ARRANGED	ARRANGED	07/03/17-09/01/17	ON LINE	REYGERS, RYAN	[ONLINE]

RBM 162 SOCIAL MEDIA MARKETING

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
57H1	5 Cr	ARRANGED	ARRANGED	07/03/17-09/01/17	ON LINE	REYGERS, RYAN	[ONLINE]

RBM 164 MARKETING COMMUNICATIONS

Developed with real-world examples to illustrate the concepts of promotion and gives students a glimpse into industry and the challenges it faces. This course will introduce concepts on developing a target market, how to find your target market, and how to effectively build relationships through research and branding to the company's core customer.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
57K1	5 Cr	ARRANGED	ARRANGED	07/03/17-09/01/17	ON LINE	REYGERS, RYAN	[ONLINE]

RBM 166 SUCCESSFUL CAREER DEVELOPMENT

Participate in self-analysis, goal setting, career exploration, personal appearance and grooming; resume writing, application letter writing, and the employment interview; and communication of ideas, interviewing practice, and other techniques of successful career development.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
57D1	5 Cr	ARRANGED	ARRANGED	07/03/17-09/01/17	ON LINE	REYGERS, RYAN	[ONLINE]

RBM 168 CONSUMER BEHAVIOR

Introduction to the core concepts and applications of contemporary consumer behavior as it is practiced today with the latest consumer behavior statistics, examples, and trends. This course emphasizes how

the recent recession, green marketing, and natural disasters all impact contemporary consumer behavior.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
57L1	5 Cr	ARRANGED	ARRANGED	07/03/17-09/01/17	ON LINE	Reyggers, Ryan	[ONLINE]

RBM 201 INTRODUCTION TO BUSINESS

A professional class designed to give an understanding of business etiquette. Put your best professional foot forward with Introduction to Business Etiquette. This course covers all the important issues and concepts without confusing students with excess material. This class covers basic digital etiquette and provides information on how to create and maintain business relationships.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
57F1	5 Cr	ARRANGED	ARRANGED	07/03/17-09/01/17	ON LINE	Reyggers, Ryan	[ONLINE]

SOCIOLOGY

SOC& 101 INTRODUCTION TO SOCIOLOGY

Focuses on understanding and applying the sociological perspective, which stresses the importance of the impact of social forces external to the individual in shaping people's lives and experiences. Topics studied will include socialization, social interaction, culture, groups, social structure, deviance, social inequality, social class, race, gender, institutions (political, economic, educational, and family), collective behavior, and social change. Students will be asked to learn the basic concepts, theories, and perspectives of sociology; to see how these operate in terms of social processes, structures, and events; and to apply this knowledge to better understand the social world. Prerequisite(s): Appropriate COMPASS (81 in reading, 77 in writing) placement score or successful completion of ENG 094.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
0539	5 Cr	ARRANGED	ARRANGED	07/03/17-09/01/17	ON LINE	Rose-Pennisi	[ONLINE]
0540	5 Cr	ARRANGED	ARRANGED	07/03/17-09/01/17	ON LINE	Rose-Pennisi	[ONLINE]
0541	5 Cr	10:20AM-11:15AM	DAILY	07/03/17-09/01/17	16 203	Anderson, Cha	[ENHANCED]

SURGICAL TECHNOLOGY

SURG 130 PATIENT CARE THEORY II

Develops students' understanding of the surgical patient, the needs of special patient populations, and basic biomedical science. Students will complete their HIPAA and AIDS/HIV training. Prerequisite(s): Successful completion of SURG 126, SURG 127, SURG 141 and SURG 151.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4001	5 Cr	ARRANGED	ARRANGED	07/03/17-09/01/17	ON LINE	Armstrong, Ro	[ONLINE]

SURG 136 OPERATING ROOM THEORY I

Introduces students' to the OR environment, aseptic principles and practices, scrubbing, gowning,

gloving, preparation of the sterile field, abdominal incisions, ob-gyn, general, ophthalmic, and genitourinary surgeries. Prerequisite(s): Successful completion of MAT 108, ENGL& 101, BIOL& 175, CAH 102, CAH 103, and SOC& 101.

Instructor Permission required.

Additional Fee: 39.20

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4011	8 Cr	7:00AM-10:30AM	MTWTh	07/03/17-09/01/17	21 113	Clark, Keza	[HYBRID]

SURG 137 INTRODUCTION TO SURGERY

Orients the student to the field of surgical technology, including history, working conditions, personal characteristics, professionalism, health care facilities, standards of conduct, the physical environment, and safety standards. Prerequisite(s): Successful completion of MAT 108, ENGL& 101, BIOL& 175, CAH 102, CAH 103, and SOC& 101.

Instructor Permission required.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4021	5 Cr	ARRANGED	ARRANGED	07/03/17-09/01/17	ON LINE	Clark, Keza	[ONLINE]

SURG 138 INTRODUCTION TO ASEPSIS AND INSTRUMENTATION

Orients students to the principles of asepsis and sterile technique; surgical case management; instrumentation; supplies; and wound healing related to sutures, needles, and stapling devices. Prerequisite(s): Successful completion of MAT 108, ENGL& 101, BIOL& 175, CAH 102, CAH 103, and SOC& 101.

Instructor Permission required.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4031	5 Cr	ARRANGED	ARRANGED	07/03/17-09/01/17	ON LINE	Clark, Keza	[ONLINE]

SURG 146 SURGICAL LAB I

Introduces students to the OR environment, aseptic principles and practices, scrubbing, gowning, gloving, and preparation of the sterile field. Prerequisite(s): Successful completion of MAT 108, ENGL& 101, BIOL& 175, CAH 102, CAH 103, and SOC& 101.

Instructor Permission required.

Additional Fee: 15.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4041	5 Cr	11:00AM-1:30PM	MTWTh	07/03/17-09/01/17	21 120	Clark, Keza	[ENHANCED]

SURG 206 OPERATING ROOM THEORY III

Classroom and lab presentations of surgical procedures. Prerequisite(s): Successful completion of SURG 126, SURG 127, SURG 141 and SURG 151.

Additional Fee: 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>
4051	8 Cr	10:30AM-1:30PM	MTWTh	07/03/17-09/01/17	21 113	Armstrong, Ro	[HYBRID]

SURG 207 MICROBIOLOGY

Students will discuss the historical background of microbiology and be able to identify basic equipment used to identify microorganisms. We will go into many aspects of microbiology, including the description of structure and characteristics of different microorganisms, conditions that affect the life and the death of microorganisms, the relationships between humans and pathogenic and nonpathogenic bacteria, and factors that enable pathogens to invade a host and cause a disease. Prerequisite(s): Successful completion of SURG 126, SURG 127, SURG 141 and SURG 151.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4061	5 Cr	ARRANGED	ARRANGED	07/03/17-09/01/17	ON LINE	Armstrong, Ro	[ONLINE]

SURG 211 SURGICAL LAB III

Lab presentations and practice of surgical procedures to include cardiothoracic, peripheral vascular, laparoscopic, emergent and neurosurgical procedures. Prerequisite(s): Successful completion of SURG 126, SURG 127, SURG 141 and SURG 151.

Additional Fee: 364.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4071	5 Cr	7:00AM-10:30AM	MTWTh	07/03/17-09/01/17	21 120	Armstrong, Ro	[ENHANCED]

SURG 225 CLINICAL APPLICATIONS III

See Clinical Applications. Prerequisite(s): Successful completion of SURG 215, SURG 220 and SURG 235.

Additional Fee: 14.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4081	5 Cr	ARRANGED	ARRANGED	07/03/17-08/03/17	ARR	Armstrong, Ro	[HYBRID]

SURG 230 CLINICAL APPLICATIONS IV

See Clinical Applications. Prerequisite(s): Successful completion of SURG 215, SURG 220, SURG 225 and SURG 235.

Additional Fee: 14.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4091	5 Cr	ARRANGED	ARRANGED	08/07/17-09/01/17	ARR	Armstrong, Ro	[HYBRID]

SURG 240 SEMINAR II

Classroom presentations of employability skills, preoperative routines, and transportation. Classroom preparation for the NBSTSA Certification Exam. Prerequisite(s): Successful completion of SURG 215, SURG 220 and SURG 235.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
40A1	3 Cr	ARRANGED	ARRANGED	07/03/17-09/01/17	21 113	Armstrong, Ro	[ENHANCED]

WELDING TECHNOLOGY

WLD 106 WELDING THEORY

Instructor Permission required.

Additional Fee: 109.25

<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>
9801	5 Cr	7:00AM-12:00PM	DAILY	07/03/17-09/01/17	25 403	Meyers, David	
98AQ	5 Cr	5:00PM-10:00PM	DAILY	07/03/17-09/01/17	25 403	Tonyuk, Dmitr	
98P1	5 Cr	12:00PM-5:00PM	DAILY	07/03/17-09/01/17	25 403	Agostino, Jus	

WLD 110 THERMAL CUTTING AND GOUGING

Develops the knowledge and skill for manual and machine-guided oxyfuel cutting, manual plasma arc cutting, and carbon arc gouging. Corequisite: WLD 105.

Instructor Permission required.

Additional Fee: 109.25

<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>
9811	3 Cr	7:00AM-12:00PM	DAILY	07/03/17-09/01/17	25 403	Meyers, David	
98AR	3 Cr	5:00PM-10:00PM	DAILY	07/03/17-09/01/17	25 403	Tonyuk, Dmitr	
98Q1	3 Cr	12:00PM-5:00PM	DAILY	07/03/17-09/01/17	25 403	Agostino, Jus	

WLD 112 OXYACETYLENE WELDING AND BRAZING

Develops the knowledge and skill for welding, brazing, and braze welding various joint designs using oxyacetylene equipment. Corequisite: WLD 105.

Instructor Permission required.

Additional Fee: 109.25

<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>
9821	4 Cr	7:00AM-12:00PM	DAILY	07/03/17-09/01/17	25 403	Meyers, David	
98AS	4 Cr	5:00PM-10:00PM	DAILY	07/03/17-09/01/17	25 403	Tonyuk, Dmitr	
98R1	4 Cr	12:00PM-5:00PM	DAILY	07/03/17-09/01/17	25 403	Agostino, Jus	

WLD 117 SMAW I

Introduces the shielded metal arc welding (SMAW) process with emphasis on skill development using deep penetrating electrodes in the flat and horizontal positions. , deep penetrating electrodes by welding various joints in the vertical and overhead positions. Prerequisite(s): Completion of or concurrent enrollment in WLD 105.

Instructor Permission required.

Additional Fee: 109.25

<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>
9831	7 Cr	7:00AM-12:00PM	DAILY	07/03/17-09/01/17	25 403	Meyers, David	
98AT	7 Cr	5:00PM-10:00PM	DAILY	07/03/17-09/01/17	25 403	Tonyuk, Dmitr	
98T1	7 Cr	12:00PM-5:00PM	DAILY	07/03/17-09/01/17	25 403	Agostino, Jus	

WLD 123 SMAW II

Develops understanding of the applications and techniques for using low-hydrogen SMAW electrodes in the flat and horizontal positions. , low-hydrogen electrodes by welding various joint designs in the vertical and overhead positions. Prerequisite(s): Successful completion of WLD 105.

Instructor Permission required.

Additional Fee: 109.25

<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>
9841	7 Cr	7:00AM-12:00PM	DAILY	07/03/17-09/01/17	25 403	Meyers, David	
98AU	7 Cr	5:00PM-10:00PM	DAILY	07/03/17-09/01/17	25 403	Tonyuk, Dmitr	
98U1	7 Cr	12:00PM-5:00PM	DAILY	07/03/17-09/01/17	25 403	Agostino, Jus	

WLD 143 MATERIALS AND TESTING

Instructor Permission required.

Additional Fee: 109.25

<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>
9851	5 Cr	7:00AM-12:00PM	DAILY	07/03/17-09/01/17	25 403	Meyers, David	
98AV	5 Cr	5:00PM-10:00PM	DAILY	07/03/17-09/01/17	25 403	Tonyuk, Dmitr	
98V1	5 Cr	12:00PM-5:00PM	DAILY	07/03/17-09/01/17	25 403	Agostino, Jus	

WLD 144 PRINT READING FOR WELDERS

Develops the ability to interpret prints used in welding and fabrication. Introduction to sketching, lines, views, visualization, dimensioning, applied math, and welding symbols. Prerequisite: Successful

completion of WLD 105.

Instructor Permission required.

Additional Fee: 109.25

<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>
9861	5 Cr	7:00AM-12:00PM	DAILY	07/03/17-09/01/17	25 403	Meyers, David	
98AW	5 Cr	5:00PM-10:00PM	DAILY	07/03/17-09/01/17	25 403	Tonyuk, Dmitr	
98W1	5 Cr	12:00PM-5:00PM	DAILY	07/03/17-09/01/17	25 403	Agostino, Jus	

WLD 152 GAS METAL ARC WELDING

Develops the ability to use the gas metal arc welding process to join carbon steels and aluminum with various joint designs in all positions. Prerequisite: Completion of or concurrent enrollment in WLD 142.

Instructor Permission required.

Additional Fee: 109.25

<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>
9871	7 Cr	7:00AM-12:00PM	DAILY	07/03/17-09/01/17	25 403	Meyers, David	
98AX	7 Cr	5:00PM-10:00PM	DAILY	07/03/17-09/01/17	25 403	Tonyuk, Dmitr	
98X1	7 Cr	12:00PM-5:00PM	DAILY	07/03/17-09/01/17	25 403	Agostino, Jus	

WLD 157 METALLURGY

Examines metal identification and classification, mechanical properties, crystalline structures, heat treatments, and metallurgical effects of welding. Prerequisite: WLD 142.

Instructor Permission required.

Additional Fee: 109.25

<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>
9881	5 Cr	7:00AM-12:00PM	DAILY	07/03/17-09/01/17	25 403	Meyers, David	
98AY	5 Cr	5:00PM-10:00PM	DAILY	07/03/17-09/01/17	25 403	Tonyuk, Dmitr	
98Y1	5 Cr	12:00PM-5:00PM	DAILY	07/03/17-09/01/17	25 403	Agostino, Jus	

WLD 168 FLUX CORED ARC WELDING I

Develops the ability to use gas-shielded flux cored arc welding electrodes to join carbon steels with various joint designs in all positions. Prerequisite: Completion of or concurrent enrollment in WLD 142.

Instructor Permission required.

Additional Fee: 109.25

<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>
9891	7 Cr	7:00AM-12:00PM	DAILY	07/03/17-09/01/17	25 403	Meyers, David	
98AL	7 Cr	12:00PM-5:00PM	DAILY	07/03/17-09/01/17	25 403	Agostino, Jus	
98AZ	7 Cr	5:00PM-10:00PM	DAILY	07/03/17-09/01/17	25 403	Tonyuk, Dmitr	

WLD 210 GAS TUNGSTEN ARC WELDING I

Develops the ability to use the gas tungsten arc welding process to join carbon and stainless steels with various joint designs in all positions. Prerequisite: Completion of, or concurrent enrollment in, WLD 142.

Instructor Permission required.

Additional Fee: 109.25

<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>
98AD	7 Cr	12:00PM-5:00PM	DAILY	07/03/17-09/01/17	25 403	Agostino, Jus	
98BD	7 Cr	5:00PM-10:00PM	DAILY	07/03/17-09/01/17	25 403	Tonyuk, Dmitr	
98D1	7 Cr	7:00AM-12:00PM	DAILY	07/03/17-09/01/17	25 403	Meyers, David	

WLD 211 ADVANCED GTAW I

Develops the welding in all positions for Gas Tungsten Arc Welding for a variety of light gauge steel and aluminum joint designs. Prerequisite(s): Successful completion of WLD 210 or instructor permission.

Instructor Permission required.

Additional Fee: 109.25

<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>
98AF	7 Cr	12:00PM-5:00PM	DAILY	07/03/17-09/01/17	25 403	Agostino, Jus	
98BF	7 Cr	5:00PM-10:00PM	DAILY	07/03/17-09/01/17	25 403	Tonyuk, Dmitr	
98F1	7 Cr	7:00AM-12:00PM	DAILY	07/03/17-09/01/17	25 403	Meyers, David	

WLD 214 ADVANCED GTAW II

WLD 214 ADVANCED GAS TUNGSTEN ARC WELDING II 7CR Develops the welding techniques in all positions for Gas Tungsten Arc Welding for a variety of light gauge exotic metals joint designs.

Prerequisite(s): Completion of, or concurrent enrollment in, WLD 211.

Instructor Permission required.

Additional Fee: 109.25

<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>
98AG	7 Cr	12:00PM-5:00PM	DAILY	07/03/17-09/01/17	25 403	Agostino, Jus	
98BG	7 Cr	5:00PM-10:00PM	DAILY	07/03/17-09/01/17	25 403	Tonyuk, Dmitr	
98G1	7 Cr	7:00AM-12:00PM	DAILY	07/03/17-09/01/17	25 403	Meyers, David	

WLD 217 SPECIAL PROJECTS

Develops skills in print reading, project planning, layout, distortion control fixturing, and other fabrication techniques. Students will have the opportunity to apply knowledge to projects of personal interest and/or as assigned. Prerequisite(s): Advanced standing with instructor's permission.

Instructor Permission required.

Additional Fee: 109.25

<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>
98AJ	Var	ARRANGED	ARRANGED	07/03/17-09/01/17	25 403	Agostino, Jus	
98BJ	Var	ARRANGED	ARRANGED	07/03/17-09/01/17	25 403	Tonyuk, Dmitr	
98H1	Var	ARRANGED	ARRANGED	07/03/17-09/01/17	25 403	Meyers, David	

WLD 219 SPECIAL PROJECTS II

Develops additional skills in print reading, project planning, layout, distortion control, and other fabrication techniques. Students will have the opportunity to apply knowledge to projects of personal interest and/or assigned. Prerequisite(s): Advanced standing with instructor's permission.

Instructor Permission required.

Additional Fee: 109.25

<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>
98AK	Var	12:00PM-5:00PM	DAILY	07/03/17-09/01/17	25 403	Agostino, Jus	
98BK	Var	ARRANGED	ARRANGED	07/03/17-09/01/17	25 403	Tonyuk, Dmitr	
98J1	Var	ARRANGED	ARRANGED	07/03/17-09/01/17	25 403	Meyers, David	

WLD 223 GTAW PIPE

Develops welding techniques required to make sound GTAW welds on steel plate and pipe in the 2G, 3G, 4G, & 5G positions. Prerequisite(s): Successful completion of WLD 142 or instructor permission.

Instructor Permission required.

Additional Fee: 109.25

<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>
98AC	7 Cr	12:00PM-5:00PM	DAILY	07/03/17-09/01/17	25 403	Agostino, Jus	
98BC	7 Cr	5:00PM-10:00PM	DAILY	07/03/17-09/01/17	25 403	Tonyuk, Dmitr	

98C1 7 Cr 7:00AM-12:00PM DAILY 07/03/17-09/01/17 25 403 Meyers, David

WLD 225 SMAW PIPE WELDING

Develop welding techniques required to make sound SMAW welds using E6010 and E7018 electrodes on steel pipe in the 2G & 5G positions. Prerequisite(s): Successful completion of WLD 142 or instructor permission.

Instructor Permission required.

Additional Fee: 109.25

<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>
98AM	7 Cr	12:00PM-5:00PM	DAILY	07/03/17-09/01/17 25 403		Agostino, Jus	
98BM	7 Cr	5:00PM-10:00PM	DAILY	07/03/17-09/01/17 25 403		Tonyuk, Dmitr	
98K1	7 Cr	7:00AM-12:00PM	DAILY	07/03/17-09/01/17 25 403		Meyers, David	

WLD 227 ADVANCED PIPE

Develops welding techniques required to make sound welds on pipe in a variety of joints and positions. Prerequisite(s): Successful completion of WLD 142 or instructor permission.

Instructor Permission required.

Additional Fee: 109.25

<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>
98AN	7 Cr	12:00PM-5:00PM	DAILY	07/03/17-09/01/17 25 403		Agostino, Jus	
98BN	7 Cr	5:00PM-10:00PM	DAILY	07/03/17-09/01/17 25 403		Tonyuk, Dmitr	
98L1	7 Cr	7:00AM-12:00PM	DAILY	07/03/17-09/01/17 25 403		Meyers, David	

WLD 229 METAL-FORMING

Develops techniques, tools, and equipment necessary to form metal into a variant of shapes. Prerequisite(s): Successful completion of WLD 157 Metallurgy or instructor permission.

Instructor Permission required.

Additional Fee: 109.25

<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>
98AP	7 Cr	12:00PM-5:00PM	DAILY	07/03/17-09/01/17 25 403		Agostino, Jus	
98BP	7 Cr	5:00PM-10:00PM	DAILY	07/03/17-09/01/17 25 403		Tonyuk, Dmitr	
98N1	7 Cr	7:00AM-12:00PM	DAILY	07/03/17-09/01/17 25 403		Meyers, David	

WLD 233 LAYOUT AND FABRICATION

Instructor Permission required.

Additional Fee: 109.25

<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>
98AH	7 Cr	12:00PM-5:00PM	DAILY	07/03/17-09/01/17 25 403		Agostino, Jus	
98BL	7 Cr	5:00PM-10:00PM	DAILY	07/03/17-09/01/17 25 403		Tonyuk, Dmitr	
98M1	7 Cr	7:00AM-12:00PM	DAILY	07/03/17-09/01/17 25 403		Meyers, David	

WLD 235 WABO TEST PREP

Instructor Permission required.

Additional Fee: 109.25

<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>
98AB	7 Cr	12:00PM-5:00PM	DAILY	07/03/17-09/01/17 25 403		Agostino, Jus	
98B1	7 Cr	7:00AM-12:00PM	DAILY	07/03/17-09/01/17 25 403		Meyers, David	
98BH	7 Cr	5:00PM-10:00PM	DAILY	07/03/17-09/01/17 25 403		Tonyuk, Dmitr	