



Fall Quarter 2017 Class Schedule

Updated 7/14/2017 8:19:22 AM

ACCOUNTING

ACCT& 201 PRINCIPLES OF ACCOUNTING I

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

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
49K2	5 Cr	ARRANGED	ARRANGED	09/25/17-12/13/17	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.

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>
4902	5 Cr	11:00AM-11:50AM	TWThF	09/26/17-12/13/17	11 144	Cooke, Suzann	[HYBRID]

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>
49L2	5 Cr	ARRANGED	ARRANGED	09/25/17-12/13/17	ON LINE	Dorum, Lucy	[ONLINE]

ACTG 110 BOOKKEEPING I

Introduces fundamental principles of full-cycle, double-entry accounting, including maintaining journals, ledgers, and banking records to prepare basic financial statements for service and retail businesses organized as sole proprietorships or partnerships. Covers basics of payroll accounting and payroll tax

reports. Explores the concepts and terminology required to perform specific accounting functions accurately. Prerequisite(s): COMPASS score equivalent to completion of MAT 082 and ENG 082 (68 in reading, 33 in writing) or higher, or instructor approval.

Instructor Permission required.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
49F2	4 Cr	ARRANGED	ARRANGED	09/25/17-11/09/17	ON LINE	Dorum, Lucy	[ONLINE]
4972	4 Cr	9:00AM-10:50AM	TWThF	09/26/17-11/09/17	11 144	Dorum, Lucy	[HYBRID]

ACTG 115 BOOKKEEPING II

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

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>
4982	4 Cr	9:00AM-10:50AM	TWThF	11/14/17-12/13/17	11 144	Dorum, Lucy	[HYBRID]
49G2	4 Cr	ARRANGED	ARRANGED	11/14/17-12/13/17	ON LINE	Dorum, Lucy	[ONLINE]

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>
49H2	2 Cr	ARRANGED	ARRANGED	09/25/17-12/13/17	ON LINE	Dorum, Lucy	[ONLINE]

ACTG 135 ACCOUNTING SPREADSHEETS I

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

Additional Fee: 24.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4992	5 Cr	11:00AM-11:50AM	TWF	09/26/17-12/13/17	11 127	Dorum, Lucy	[ENHANCED]

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>
49J2	5 Cr	ARRANGED	ARRANGED	09/25/17-12/13/17	ON LINE	Dorum, Lucy	[ONLINE]

ACTG 212 PRINCIPLES OF ACCOUNTING II LAB

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

Additional Fee: 14.70

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4912	3 Cr	12:00PM-12:50PM	W	09/27/17-12/06/17	11 144	Cooke, Suzann	

ACTG 224 FUNDAMENTALS OF FUND/GOVERNMENTAL ACCOUNTING

Introduces the fundamentals of accounting theory and practice of government/nonprofit accounting, including a study of accounting methods; the reasons for and the use of the various funds; the purpose and use of budgets in this field of accounting; and the differences between generally accepted accounting principles, GASB standards, and fund/governmental accounting. Prerequisite(s): Successful completion of ACTG 115 and ACCT& 201 or instructor approval.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
49A2	5 Cr	ARRANGED	ARRANGED	09/25/17-12/13/17	ON LINE	Cooke, Suzann	[ONLINE]

ACTG 260 BUSINESS OFFICE I

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

Additional Fee: 24.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4922	5 Cr	12:00PM-2:00PM	TWThF	09/29/17-12/08/17	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>
4932	5 Cr	12:00PM-2:00PM	TWThF	09/29/17-12/08/17	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.

Additional Fee: 38.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4942	5 Cr	ARRANGED	ARRANGED	09/25/17-12/08/17	11 144	Cooke, Suzann	

ACTG 291 INDIVIDUAL INCOME TAX ACCOUNTING

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

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
49C2	5 Cr	ARRANGED	ARRANGED	09/25/17-12/13/17	ON	Cooke, Suzann	[ONLINE]

LINE

4952 5 Cr 9:00AM-10:30AM TWThF 09/26/17-12/13/17 11 127 Cooke, Suzann [[HYBRID](#)]

ACTG 293 INDIVIDUAL INCOME TAX ACCOUNGING LAB

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

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
49D2	5 Cr	ARRANGED	ARRANGED	09/25/17-12/08/17	ON LINE	Cooke, Suzann	[ONLINE]
4962	5 Cr	10:30AM-10:50AM	TWThF	09/26/17-12/08/17	11 127	Cooke, Suzann	[ENHANCED]

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>
49B2	5 Cr	ARRANGED	ARRANGED	09/25/17-12/13/17	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>
0902	5 Cr	4:00PM-8:15PM	MTWTh	09/25/17-12/15/17	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>
0912	4 Cr	4:00PM-8:15PM	MTWTh	09/25/17-12/15/17	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>
0922	5 Cr	4:00PM-8:15PM	MTWTh	09/25/17-12/15/17	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>
0932	4 Cr	4:00PM-8:15PM	DAILY	09/25/17-12/15/17	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>
0942	4 Cr	4:00PM-8:15PM	DAILY	09/25/17-12/15/17	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>
0952	4 Cr	4:00PM-8:15PM	DAILY	09/25/17-12/15/17	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>
0962	3 Cr	4:00PM-8:15PM	DAILY	09/25/17-12/15/17	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	09/25/17-12/13/17	17 240 Wilson, Jaime	[HYBRID]

ARCHITECTURAL ENGINEERING DESIGN

ARC 122 RESIDENTIAL DRAFTING AND DESIGN I

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>
6302	5 Cr	8:00AM-9:50AM	TTh	09/26/17-12/14/17	19 201	Bushnell, Pop	[ENHANCED]

ARC 126 RESIDENTIAL DESIGN & DRAFTING 111

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>
6332	5 Cr	11:00AM-11:50AM	MW	09/25/17-12/13/17	19 201	Bushnell, Pop	[ENHANCED]

ARC 144 DETAILING AND LIGHT CONSTRUCTION

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>
6342	5 Cr	9:00AM-10:50AM	MW	09/25/17-12/13/17	19 203	Lunceford, Ce	[ENHANCED]

ARC 171 DRAFTING TECHNOLOGIES I

Basic manual drafting skills, orthographics, isometrics, and roof plans for basic design and construction necessary for residential design. Prerequisite(s): English reading with comprehension, composition, and basic verbal skills. Note: 634D is an I-Best course.

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>
6312	5 Cr	8:00AM-9:50AM	MW	09/25/17-12/13/17	19 201	Bushnell, Pop	[ENHANCED]

ARC 182 INTRO TO CAD DRAFTING

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>
6322	5 Cr	10:00AM-11:50AM	TTh	09/26/17-12/14/17	19 203	Lunceford, Ce	[ENHANCED]

ARC 223 DESIGN PROJECT I

Project management and design of basic architectural drafting project. Project includes one-story house and placement on a subdivision lot, conforming to regulatory codes and established schedules.

Production of a complete set of computer-drafted and engineered construction drawings. Give effective oral reports of progress. Lab hours arranged. Prerequisites: ARC 173, ARC 181.

Additional Fee: 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>
6362	5 Cr	1:00PM-2:50PM	Th	09/28/17-12/14/17	19 201	Bushnell, Pop	[ENHANCED]

ARC 227 SPECIAL INTERN PROJECT

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

Instructor Permission required.

Additional Fee: 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>
63A2	5 Cr	ARRANGED	ARRANGED	09/25/17-12/15/17	ARR	Bushnell, Pop	[ENHANCED]

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.

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>
63B2	5 Cr	1:00PM-2:50PM	Th	09/28/17-12/14/17	19 203	Lunceford, Ce	[ENHANCED]

ARC 255 EMPLOYMENT RESEARCH

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

Additional Fee: 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>
6372	1 Cr	11:00AM-11:50AM	T	09/26/17-11/21/17	19 201	Bushnell, Pop	[ENHANCED]

ARC 282 INTRODUCTION TO BUILDING INFORMATION MODELING

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

Additional Fee: 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>
6352	5 Cr	1:00PM-2:50PM	MW	09/25/17-12/13/17	19 203	Lunceford, Ce	[ENHANCED]

ARC 286 ADVANCED 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>
6382	5 Cr	2:30PM-4:20PM	MW	09/25/17-12/13/17	19 203	Lunceford, Ce	[ENHANCED]

ARC 288 APPLIED CADD

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

Additional Fee: 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>
63C2	5 Cr	2:30PM-4:20PM	TTh	09/26/17-12/14/17	19 203	Lunceford, Ce	[ENHANCED]

ARC 293 ENGINEERING STATICS

Beam loading, shear and moment diagrams, analysis, calculations, and selection of wood members for light framing. Material stress is computed. Lab hours arranged. Note: 63C4 is an I-Best course.

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>
6392	5 Cr	1:00PM-1:50PM	MTW	09/25/17-12/13/17	19 201	Bushnell, Pop	[ENHANCED]

ART

ART& 100 ART APPRECIATION

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

techniques. Prerequisite(s): Appropriate 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	09/25/17-12/15/17	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>
9602	3 Cr	7:30AM-1:50PM	DAILY	09/25/17-12/15/17	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>
9612	4 Cr	7:30AM-1:50PM	DAILY	09/25/17-12/15/17	03 402	Tolson, Lesli	[ENHANCED]

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>
9622	5 Cr	7:30AM-1:50PM	DAILY	09/25/17-12/15/17	03 402	Tolson, Lesli	[ENHANCED]

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>
9632	2 Cr	7:30AM-1:50PM	DAILY	09/25/17-12/15/17	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>
9642	5 Cr	7:30AM-1:50PM	DAILY	09/25/17-12/15/17	03 402	Tolson, Lesli	

ACT 102 FUNDAMENTALS OF COLLISION REPAIR

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

Instructor Permission required.

Additional Fee: 46.95

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location Faculty</u>	<u>Internet</u>
9652	3 Cr	7:30AM-1:50PM	DAILY	09/25/17-12/15/17	03 301 Freeman, Kurt	

ACT 106 BODY SHOP EQUIPMENT

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

Instructor Permission required.

Additional Fee: 46.95

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location Faculty</u>	<u>Internet</u>
9662	3 Cr	7:30AM-1:50PM	DAILY	09/25/17-12/15/17	03 301 Freeman, Kurt	

ACT 110 WELDING, HEA, AND CUTTING

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

Instructor Permission required.

Additional Fee: 51.85

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location Faculty</u>	<u>Internet</u>
9672	4 Cr	7:30AM-1:50PM	DAILY	09/25/17-12/15/17	03 301 Freeman, Kurt	

ACT 115 PLASTIC/SMC REPAIR

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

Instructor Permission required.

Additional Fee: 51.85

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location Faculty</u>	<u>Internet</u>
9682	4 Cr	7:30AM-1:50PM	DAILY	09/25/17-12/15/17	03 301 Freeman, Kurt	

ACT 120 GLASS, TRIM & HARDWARE

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

Instructor Permission required.

Additional Fee: 56.75

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location Faculty</u>	<u>Internet</u>
9692	5 Cr	7:30AM-1:50PM	DAILY	09/25/17-12/15/17	03 301 Freeman, Kurt	

ACT 125 INTRODUCTION TO METAL STRAIGHTENING

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

Instructor Permission required.

Additional Fee: 46.95

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location Faculty</u>	<u>Internet</u>
96A2	3 Cr	7:30AM-1:50PM	DAILY	09/25/17-12/15/17	03 301 Freeman, Kurt	

ACT 145 COLLISION ESTIMATING

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

Instructor Permission required.

Additional Fee: 56.75

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
96B2	5 Cr	7:30AM-1:50PM	DAILY	09/25/17-12/15/17	03 301	Richards, G	

ACT 151 REFINISH EQUIPMENT PREPARATION

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

Instructor Permission required.

Additional Fee: 61.65

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
96C2	6 Cr	7:30AM-1:50PM	DAILY	09/25/17-12/15/17	03 301	Richards, G	

ACT 156 PRE-PRIME PREPARATION

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

Instructor Permission required.

Additional Fee: 56.75

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
96D2	5 Cr	7:30AM-1:50PM	DAILY	09/25/17-12/15/17	03 301	Richards, G	

ACT 157 POST-PRIME PREPARATION

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

Instructor Permission required.

Additional Fee: 56.75

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
96F2	5 Cr	7:30AM-1:50PM	DAILY	09/25/17-12/15/17	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>
1702	3 Cr	7:30AM-1:50PM	DAILY	09/25/17-12/15/17	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 Faculty</u>	<u>Internet</u>
1712	4 Cr	7:30AM-1:50PM	DAILY	09/25/17-12/15/17	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 Faculty</u>	<u>Internet</u>
1722	8 Cr	7:30AM-1:50PM	DAILY	09/25/17-12/15/17	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 Faculty</u>	<u>Internet</u>
1732	6 Cr	7:30AM-1:50PM	DAILY	09/25/17-12/15/17	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 Faculty</u>	<u>Internet</u>
1742	4 Cr	7:30AM-1:50PM	DAILY	09/25/17-12/15/17	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 Faculty</u>	<u>Internet</u>
1752	7 Cr	7:30AM-1:50PM	DAILY	09/25/17-12/15/17	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 Faculty</u>	<u>Internet</u>
1762	Var	7:30AM-1:50PM	DAILY	09/25/17-12/15/17	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>
1772	6 Cr	7:30AM-1:50PM	DAILY	09/25/17-12/15/17	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>
1782	6 Cr	7:30AM-1:50PM	DAILY	09/25/17-12/15/17	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>
1792	4 Cr	7:30AM-1:50PM	DAILY	09/25/17-12/15/17	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>
17A2	9 Cr	7:30AM-1:50PM	DAILY	09/25/17-12/15/17	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>
17B2	Var	7:30AM-1:50PM	DAILY	09/25/17-12/15/17	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>
17C2	3 Cr	7:30AM-1:50PM	DAILY	09/25/17-12/15/17	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>
17D2	3 Cr	7:30AM-1:50PM	DAILY	09/25/17-12/15/17	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>
17F2	Var	7:30AM-1:50PM	DAILY	09/25/17-12/15/17	03 306	Richards, G	

AUTOMOTIVE TECHNICIAN

AUT 147 AUTOMOTIVE SUSPENSION AND STEERING

This module covers theory, diagnosis, and repair of SLA suspension systems, strut suspension systems, parallelogram steering systems, rack and pinion steering systems, rear suspension systems, and computer-controlled suspension systems. Co-requisites: AUT 157.

Instructor Permission required.

Additional Fee: 61.65

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4602	6 Cr	7:30AM-1:50PM	DAILY	09/25/17-12/15/17	03 701	Smith, Michea	

AUT 149 AUTOMOTIVE SUSPENSION STEERING& WHEEL ALIGNMENT

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

Instructor Permission required.

Additional Fee: 66.55

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4612	7 Cr	7:30AM-1:50PM	DAILY	09/25/17-12/15/17	03 701	Smith, Michea	

AUT 157 AUTOMOTIVE SUSPENSION STEERING& WHEEL ALIGN LAB

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

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>
4622	6 Cr	7:30AM-1:50PM	DAILY	09/25/17-12/15/17	03 701	Smith, Michea	

AUT 209 ELECTRONIC SYSTEMS

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

light trucks. Prerequisite(s): Must successfully complete AUT 204 and must have required tools and textbooks

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>
4672	7 Cr	7:30AM-1:50PM	DAILY	09/25/17-12/15/17	03 901	Covington, G	

AUT 212 ELECTRICAL SYSTEMS

Diagnose and repair automotive electrical systems and study basic application of computerized electronic control systems. Upon completion of this course, the student will be familiar with the terminology, basic theory, diagnostics, removal, and installation procedures used on automobiles and light trucks. Prerequisite(s): Must have required tools and textbooks. Successful completion of IAUT 102, IAUT 104, IAUT 115, IAUT 130, and IAUT 139.

Instructor Permission required.

Additional Fee: 76.35

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4662	9 Cr	7:30AM-1:50PM	DAILY	09/25/17-12/15/17	03 901	Covington, G	

AUT 239 CLUTCHES & MANUAL TRANSMISSIONS

Provides the student with the knowledge and skills to competently repair Provides the student with the knowledge and skills to competently repair automotive clutches and manual transmissions/transaxles. Upon completion of the course, the student will be familiar with the terminology, basic theory, diagnostics, maintenance, and repair of automobile/light truck clutches and manual transmissions/transaxles.

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>
4632	9 Cr	7:30AM-1:50PM	DAILY	09/25/17-12/15/17	03 601	Bridges, Wayn	[HYBRID]

AUT 243 AUTOMOTIVE AXLES, DRIVELINES, DIFFERENTIALS & TRANSFER

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

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>
4642	6 Cr	7:30AM-1:50PM	DAILY	09/25/17-12/15/17	03 601	Bridges, Wayn	[HYBRID]

AUT 246 MANUAL DRIVE TRAINS & AXLES LAB

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

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>
4652	4 Cr	7:30AM-1:50PM	DAILY	09/25/17-12/15/17	03 601	Bridges, Wayn	

AUT 255 AIR-COMDITIONING, HEATING & VENTILATION

Theory, troubleshooting, and repair of automotive air-conditioning systems, heating systems, and ventilation systems. Also covers recovery and recycling of both R-12 and R134A refrigerants.
Prerequisite(s): Must successfully complete AUT 209 and 212 and have required tools and textbooks.
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>
4682	6 Cr	7:30AM-1:50PM	DAILY	09/25/17-12/15/17	03 901	Covington, G	

FAUT 144 FORD BASIC ELECTRICAL SYSTEMS DIAGNOSIS AND TEST

Instructor Permission required.

Additional Fee: 179.40

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4692	6 Cr	7:30AM-1:50PM	DAILY	09/25/17-12/15/17	03 801	Brown, David	

FAUT 209 FORD ELECTRONIC SYSTEMS

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>
46B2	7 Cr	7:30AM-1:50PM	DAILY	09/25/17-12/15/17	03 801	Brown, David	

FAUT 212 FORD ELECTRICAL SYSTEMS

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>
46A2	9 Cr	7:30AM-1:50PM	DAILY	09/25/17-12/15/17	03 801	Brown, David	

AVIATION MAINTENANCE TECHNICIAN

AMT 104 BASIC MATHEMATICS, PHYSICS, AND WEIGHT & BALANCE

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

Additional Fee: 74.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4402	Var	7:00AM-1:00PM	DAILY	09/25/17-12/15/17	SHC116	Doyon, Greg	

AMT 116 AIRCRAFT DRAWINGS,CLEANING,CORROSION CNTRL,GROUN

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

Additional Fee: 74.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location Faculty</u>	<u>Internet</u>
4412	Var	7:00AM-1:00PM	DAILY	09/25/17-12/15/17	SHC116 Doyon, Greg	

AMT 119 MATERIALS & PROCESSES

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

Additional Fee: 74.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location Faculty</u>	<u>Internet</u>
4422	Var	7:00AM-1:00PM	DAILY	09/25/17-12/15/17	SHC116 Doyon, Greg	

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

Generate and review FAA maintenance forms, records, entries, Publications and Regulations, including Airworthiness Directives, Mechanic Privileges and Limitations.

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>
4432	Var	7:00AM-1:00PM	DAILY	09/25/17-12/15/17	SHC116 Doyon, Greg	

AMT 132 WOOD STRUCTURES, AIRCRAFT COVERINGS, AND FINISHE

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

Additional Fee: 69.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location Faculty</u>	<u>Internet</u>
4442	Var	7:00AM-1:00PM	DAILY	09/25/17-12/15/17	SHC117 Mcconkie, Ben	

AMT 135 AIRCRAFT SHEET METAL STRUCTURES

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

Additional Fee: 69.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location Faculty</u>	<u>Internet</u>
4452	Var	7:00AM-1:00PM	DAILY	09/25/17-12/15/17	SHC117 Mcconkie, Ben	

AMT 136 WELDING, POSITION & WARNING SYSTEMS

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

Additional Fee: 64.70

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location Faculty</u>	<u>Internet</u>
4462	Var	7:00AM-1:00PM	DAILY	09/25/17-12/15/17	SHC117 Mcconkie, Ben	

AMT 137 AIRCRAFT NON-METALIC STRUCTURES

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

Additional Fee: 69.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location Faculty</u>	<u>Internet</u>
4472	Var	7:00AM-1:00PM	DAILY	09/25/17-12/15/17	SHC117 Mcconkie, Ben	

AMT 138 AIRCRAFT INSPECTIONS

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

Additional Fee: 69.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location Faculty</u>	<u>Internet</u>
4492	4 Cr	7:00AM-1:00PM	DAILY	09/25/17-12/15/17	SHC118 Creech, Danie	

AMT 139 ASSEMBLY & RIGGING

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

Additional Fee: 69.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location Faculty</u>	<u>Internet</u>
4482	Var	7:00AM-1:00PM	DAILY	09/25/17-12/15/17	SHC117 Mcconkie, Ben	

AMT 208 HELICOPTER OPERATION AND MAINTENANCE PRACTICES

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

Additional Fee: 69.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location Faculty</u>	<u>Internet</u>
44A2	4 Cr	7:00AM-1:00PM	DAILY	09/25/17-12/15/17	SHC118 Creech, Danie	

AMT 210 BASIC ROTOR SYSTEM MAINTENANCE AND REPAIR

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

Additional Fee: 69.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location Faculty</u>	<u>Internet</u>
44B2	4 Cr	7:00AM-1:00PM	DAILY	09/25/17-12/15/17	SHC118 Creech, Danie	

AMT 212 ADVANCED ROTOR SYSTEMS MAINTENANCE AND REPAIR

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

Additional Fee: 69.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location Faculty</u>	<u>Internet</u>
44C2	4 Cr	7:00AM-1:00PM	DAILY	09/25/17-12/15/17	SHC118 Creech, Danie	

AMT 215 HELICOPTER SYSTEMS

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

Additional Fee: 69.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location Faculty</u>	<u>Internet</u>
44D2	4 Cr	7:00AM-1:00PM	DAILY	09/25/17-12/15/17	SHC118 Creech, Danie	

AMT 224 POWERPLANT RECIPROCATING ENGINE THEORY

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

Additional Fee: 79.40

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location Faculty</u>	<u>Internet</u>
44F2	Var	7:00AM-1:00PM	DAILY	09/25/17-12/15/17	SHC120 Vick, Phillip	

AMT 225 POWERPLANT MAINTENANCE AND OPERATION

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

Additional Fee: 79.40

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location Faculty</u>	<u>Internet</u>
44G2	Var	7:00AM-1:00PM	DAILY	09/25/17-12/15/17	SHC120 Vick, Phillip	

AMT 226 ENGINE FUEL SYSTEMS AND FIRE PROTECTION

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

Additional Fee: 54.90

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location Faculty</u>	<u>Internet</u>
44J2	Var	7:00AM-1:00PM	DAILY	09/25/17-12/15/17	SHC120 Vick, Phillip	

AMT 228 ENGINE FUEL METERING SYSTEMS

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

Additional Fee: 74.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location Faculty</u>	<u>Internet</u>
44H2	Var	7:00AM-1:00PM	DAILY	09/25/17-12/15/17	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 Faculty</u>	<u>Internet</u>
0503	5 Cr	ARRANGED	ARRANGED	09/25/17-12/15/17	21 235 Noffke, Wendy	[HYBRID]
0504	5 Cr	ARRANGED	ARRANGED	09/25/17-12/15/17	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 Faculty</u>	<u>Internet</u>
0505	5 Cr	12:00PM-4:00PM	T	09/25/17-12/15/17	21 235 Noffke, Wendy	[HYBRID]

0506 5 Cr 8:00AM-10:50AM TTh

09/25/17-12/13/17 21 235 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>
0507	5 Cr	8:00AM-10:50AM	MW	09/25/17-12/13/17	21 231	Austin, Laura	[HYBRID]
0508	5 Cr	11:00AM-1:50PM	MW	09/25/17-12/13/17	21 231	Austin, Laura	[HYBRID]

BIOL& 242 HUMAN ANATOMY & PHYSIOLOGY II

Provides students with the second course of the two-quarter study of body structure and related physiology on cellular through system levels. Includes an in-depth study of body organization and cardiovascular and lymphatic physiological processes. Includes immunology, respiratory, digestive, metabolic, excretory, reproductive, and endocrine systems. Laboratory component included. 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>
0509	5 Cr	8:00AM-10:50AM	TTh	09/25/17-12/14/17	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>
0510	5 Cr	12:00PM-4:00PM	Th	09/25/17-12/14/17	21 235	Noffke, Wendy	[HYBRID]

CENTRAL SERVICE/STERILE PROCESSING

MMN 103 INTRODUCTION TO HEALTHCARE

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

Additional Fee: 113.70

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
8302	3 Cr	8:00AM-2:00PM	MWTh	09/25/17-10/19/17	21 107	Wagers, Jane	[ENHANCED]

MMN 106 ANATOMY & PHYSIOLOGY/MEDICAL TERMINOLOGY

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

Additional Fee: 19.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
8312	4 Cr	8:00AM-2:00PM	MWTh	10/19/17-11/02/17	21 107	Wagers, Jane	[ENHANCED]

MMN 111 MICROBIOLOGY / INFECTION CONTROL

Covers the examination of human pathogens in microbiology. Students will learn about infection control as it relates to the sterilization process. Safety issues in the health care environment are covered. Web enhanced. Prerequisite(s): Successful completion of MMN 103, MMN 106.

Additional Fee: 14.70

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
8322	3 Cr	8:00AM-2:00PM	MWTh	11/06/17-11/30/17	21 107	Wagers, Jane	[ENHANCED]

MMN 124 SURGICAL INSTRUMENTATION

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

Additional Fee: 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>
8332	Var	8:00AM-2:00PM	MWTh	12/04/17-12/14/17	21 107	Wagers, Jane	[ENHANCED]

MMN 213 CLINICAL INTERNSHIP I

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

Additional Fee: 14.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
8342	6 Cr	0:RM-0:M	DAILY	09/26/17-10/26/17	21 ARR	Wagers, Jane	[ENHANCED]

MMN 215 CLINICAL INTERNSHIP II

Continued participation in the clinical setting at local facilities allows the student to gain a variety of experiences in Central Service/Sterile Processing and Materiel Management. Requirements are the same as MMN 213. Prerequisite(s): Successful completion of MMN 213.

Additional Fee: 14.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
8352	6 Cr	0:RM-0:M	DAILY	10/30/17-12/12/17	21 ARR	Wagers, Jane	

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>
0511	Var	10:00AM-11:50AM	F	09/25/17-12/15/17	15 105	Holzappel, Ge	[HYBRID]
0512	5 Cr	5:00PM-6:50PM	W	09/25/17-12/13/17	15 105	Holzappel, 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. Spring 2017 Lab Times: item number 0514 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>
0513	5 Cr	8:00AM-9:50AM	F	09/25/17-12/15/17	15 105	Holzappel, 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>
2P02	3 Cr	7:00AM-7:50AM	MWF	09/25/17-12/15/17	17 240	Van Beek, Car	[HYBRID]
2P42	3 Cr	10:00AM-10:50AM	MWF	09/25/17-12/15/17	15 112	Holster, Elai	[HYBRID]
2PB2	3 Cr	4:00PM-4:50PM	MWF	09/25/17-12/15/17	15 112	Aldridge, Jan	[HYBRID]
2P12	3 Cr	8:00AM-8:50AM	TWTh	09/26/17-12/14/17	14 102	Perkins, Petr	[HYBRID]
2P22	3 Cr	9:00AM-9:50AM	TWTh	09/26/17-12/14/17	15 112	Holster, Elai	[HYBRID]
2P32	3 Cr	9:00AM-9:50AM	TWTh	09/26/17-12/14/17	16 116	Mollas, Tula	[HYBRID]
2P52	3 Cr	10:00AM-10:50AM	TWTh	09/26/17-12/14/17	14 102	Wirth, Alexan	[HYBRID]
2P62	3 Cr	11:00AM-11:50AM	TWTh	09/26/17-12/14/17	15 112	Holster, Elai	[HYBRID]
2P72	3 Cr	11:00AM-11:50AM	TWTh	09/26/17-12/14/17	14 102	Vano, Jennie	[HYBRID]
2P82	Var	12:00PM-12:50PM	TWTh	09/26/17-12/14/17	15 112	Wirth, Alexan	[HYBRID]
2P92	3 Cr	2:00PM-2:50PM	TWTh	09/26/17-12/14/17	16 116	Mollas, Tula	[HYBRID]
2PA2	Var	3:00PM-3:50PM	TWTh	09/26/17-12/14/17	16 116	Mollas, Tula	[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>
2002	3 Cr	8:00AM-8:50AM	MW	09/25/17-12/13/17	11 112	Westerberg, R	
5702	3 Cr	ARRANGED	ARRANGED	09/25/17-12/15/17	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>
2012	3 Cr	9:00AM-9:50AM	MW	09/25/17-12/13/17	11 112	Westerberg, R	[HYBRID]
2022	3 Cr	10:00AM-10:50AM	MW	09/25/17-12/13/17	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>
2032	3 Cr	ARRANGED	ARRANGED	09/25/17-12/15/17	ON LINE	Westerberg, R	[ONLINE]

CAS 125 WORD II

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

Prerequisite(s): Successful completion of CAS 121.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
2042	3 Cr	ARRANGED	ARRANGED	09/25/17-12/15/17	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>
2052	3 Cr	ARRANGED	ARRANGED	09/25/17-12/15/17	ON LINE	Westerberg, R	[ONLINE]

CAS 135 EXCEL II

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

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
2062	3 Cr	ARRANGED	ARRANGED	09/25/17-12/15/17	ON LINE	Westerberg, R	[ONLINE]

CAS 141 POWERPOINT

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

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
2072	3 Cr	ARRANGED	ARRANGED	09/25/17-12/15/17	ON LINE	Westerberg, R	[ONLINE]

CAS 145 PUBLISHER

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

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
2082	5 Cr	ARRANGED	ARRANGED	09/25/17-12/15/17	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. 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.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
2092	3 Cr	ARRANGED	ARRANGED	09/25/17-12/15/17	ON LINE	Westerberg, R	[ONLINE]

COMPUTER PROGRAMMING AND WEB DEVELOPMENT

CPW 101 PROGRAMMING FUNDAMENTALS

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

Additional Fee: 24.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
5402	5 Cr	1:00PM-4:00PM	MW	09/25/17-12/13/17	11 111W	Meerdink, Ken	[ENHANCED]

CPW 116 .NET PROGRAMMING

Learn to program using .NET Framework with focus on windows and console. Use decision structures, loops, and arrays to solve problems. Apply exception handling and data validation to programs. Use the

predefined libraries in .NET Framework to solve problems. Create methods and learn to pass and return arguments. Create classes and use the classes as objects in programming. Use databases to store and retrieve the data from the applications. Prerequisites: CPW142, CPW150.

Additional Fee: 24.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
5412	5 Cr	9:00AM-12:00PM	MW	09/25/17-12/13/17	11 111E	Ortiz, Joseph	[ENHANCED]

CPW 118 WEB DESIGN PRINCIPLES

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

Additional Fee: 24.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
5422	5 Cr	9:00AM-12:00PM	F	09/29/17-12/15/17	11 111E	Ortiz, Joseph	

CPW 120 WEB GRAPHICS

Use Photoshop to make your website attractive and fast loading. Use Illustrator to make logos, and graphical elements for both interface design & vector animations. Use Flash for banner and sidebar advertisements.

Instructor Permission required.

Additional Fee: 24.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
5432	5 Cr	9:00AM-12:00PM	MW	09/25/17-12/13/17	11 107	Webster, Mark	[ENHANCED]

CPW 143 JAVA OBJECT-ORIENTED PROGRAMMING II

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

Additional Fee: 24.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
5442	5 Cr	1:00PM-4:00PM	TTh	09/26/17-12/14/17	11 111W	Meerdink, Ken	[ENHANCED]

CPW 150 PRINCIPLES OF RELATIONAL DATABASES

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

Additional Fee: 24.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
5452	5 Cr	1:00PM-4:00PM	TTh	09/26/17-12/14/17	11 111E	Ortiz, Joseph	[ENHANCED]

CPW 203 ADVANCED JAVASCRIPT

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>
54D2	5 Cr	9:00AM-12:00PM	TTh	09/26/17-12/14/17	11 111E	Ortiz, Joseph	[HYBRID]

CPW 215 ADV .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</u>	<u>Faculty</u>	<u>Internet</u>
54C2	5 Cr	1:00PM-4:00PM	MW	09/25/17-12/13/17	11 111E	Ortiz, Joseph	[HYBRID]

CPW 217 PORTFOLIO

Build a portfolio website showcasing skills developed in the Computer Programming and Web Development program. Create a fully functional website from start to finish. Analyze and derive requirements by creating a project proposal or by working with an actual client. Larger projects will utilize source control and emphasize team work. Prerequisite(s): Or Co-requisite CPW 229 or CPW 214.

Additional Fee: 24.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
5462	5 Cr	1:00PM-4:00PM	TTh	09/26/17-12/14/17	11 106	Dague, Bruce	[ENHANCED]

CPW 220 WEB DEVELOPMENT I

Introduction to PHP scripting, one of the most popular development tools on the web. This course demonstrates using this tool to create dynamic web based applications. Provides experience using sessions, cookies and web forms to build easily maintainable, interactive and e-commerce enabled sites. Prerequisite: CPW 206

Additional Fee: 24.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
5472	5 Cr	9:00AM-12:00PM	TTh	09/26/17-12/14/17	11 106	Dague, Bruce	[ENHANCED]

CPW 229 WEB DEVELOPMENT III

Combines further studies using PHP scripting and MySQL, one of the most popular open-source database management systems on the web. Explores back-end functionality, interacting with databases and creating dynamic web pages. Prerequisite(s): Successful completion of CPW 227.

Additional Fee: 24.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
5482	5 Cr	9:00AM-12:00PM	MW	09/25/17-12/13/17	11 106	Dague, Bruce	[ENHANCED]

CPW 240 PROGRAMMING PRACTICUM

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>
54B2	5 Cr	9:00AM-12:00PM	MW	09/25/17-12/13/17	11 111W	Meerdink, Ken	[HYBRID]

CPW 250 USER INTERFACE DESIGN

Build a web interface structure that uses the principles of responsive web design and allows the structure to automatically reformat itself based on the size of the viewport (smartphone, computer, iPad). Use a combination of HTML 5, CSS3, media queries, and jQuery, working together to make a responsive web design 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>
5492	5 Cr	1:00PM-4:00PM	MW	09/25/17-12/13/17	11 106	Webster, Mark	[ENHANCED]

CPW 252 ONE PROGRAMMING

control, phone emulators, phone APIs, and deployment. 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>
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COMPUTER NETWORKING AND INFORMATIONS 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>
4702	5 Cr	8:00AM-3:00PM	MWF	09/25/17-10/30/17	16 107	Morris, Cath	[ENHANCED]
47U2	5 Cr	6:00PM-9:00PM	M	09/25/17-11/06/17	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>
4712	4 Cr	8:00AM-3:00PM	MWF	11/01/17-12/15/17	16 107	Morris, Cath	[ENHANCED]
47V2	4 Cr	6:00PM-9:00PM	M	11/13/17-12/11/17	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>
4722	5 Cr	12:00PM-3:00PM	TTh	09/26/17-12/14/17	16 209	Souza, Donal	[ENHANCED]
47AA	5 Cr	6:00PM-9:00PM	W	09/27/17-12/13/17	16 209	Souza, Donal	[HYBRID]

NSS 120 MS DESKTOP SUPPORT I

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

Additional Fee: 76.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4732	5 Cr	8:00AM-3:00PM	MWF	09/25/17-11/08/17	16 207	Lanphier, Jay	[ENHANCED]
47W2	5 Cr	6:00PM-9:00PM	W	09/27/17-11/08/17	16 207	Lanphier, Jay	[HYBRID]

NSS 125 MS DESKTOP SUPPORT II

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

Additional Fee: 71.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4742	4 Cr	8:00AM-3:00PM	MWF	11/13/17-12/15/17	16 207	Lanphier, Jay	[ENHANCED]
47X2	4 Cr	6:00PM-9:00PM	W	11/15/17-12/13/17	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>
4752	4 Cr	12:00PM-3:00PM	TTh	09/26/17-12/14/17	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>
47Y2	4 Cr	6:00PM-9:00PM	M	09/25/17-10/30/17	16 109	Souza, Donal	[HYBRID]
4762	4 Cr	8:00AM-11:00AM	TTh	09/26/17-12/14/17	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>
4772	5 Cr	8:00AM-11:00AM	TTh	09/26/17-12/14/17	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>
4782	4 Cr	12:00PM-3:00PM	TTh	09/26/17-12/14/17	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>
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4792 4 Cr 8:00AM-11:00AM TTh 09/26/17-12/14/17 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>
47A2	5 Cr	12:00PM-3:00PM	MWF	09/25/17-12/15/17	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>
47B2	4 Cr	8:00AM-11:00AM	MWF	09/25/17-12/15/17	16 109	Souza, Donal	[ENHANCED]
47Z2	4 Cr	6:00PM-9:00PM	M	11/06/17-12/11/17	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>
47C2	4 Cr	8:00AM-10:30AM	TTh	09/26/17-12/14/17	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>
47D2	4 Cr	12:00PM-2:00PM	TTh	09/26/17-12/14/17	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>
47F2	2 Cr	ARRANGED	ARRANGED	09/25/17-12/15/17	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>
47G2	5 Cr	8:00AM-11:00AM	MWF	09/25/17-12/15/17	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>
47H2	5 Cr	12:00PM-3:00PM	MWF	09/25/17-12/15/17	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>
47J2	2 Cr	ARRANGED	ARRANGED	09/25/17-12/15/17	16 112	Randall Jody	[ENHANCED]

NSSB 215 COMPUTER FORENSICS

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

Additional Fee: 71.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
47K2	4 Cr	8:00AM-12:00PM	MTWTh	09/25/17-11/02/17	16 112	Randall Jody	

NSSB 220 SECURITY LAB II

NSSB 220 SECURITY LEARNING LAB II 3CR Provides opportunities for students to gain the knowledge, enhance their skills, and provide hands-on experience needed or required within the industry to be successful in the security field. Co-requisites: Concurrently enrolled in NSSB 215 and NSSB 246.

Additional Fee: 66.70

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
47L2	3 Cr	8:00AM-12:00PM	F	09/29/17-12/15/17	16 112	Randall Jody	

NSSB 246 SCRIPTING FOR PENETRATION TESTERS

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

Additional Fee: 76.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
47M2	5 Cr	8:00AM-12:00PM	MTWTh	11/06/17-12/14/17	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>
47N2	5 Cr	8:00AM-11:00AM	MWF	09/25/17-11/08/17	16 209	Turner, Jeffr	[ENHANCED]
47AB	5 Cr	6:00PM-9:00PM	W	09/27/17-12/13/17	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	09/27/17-12/13/17	16 209	Turner, Jeffr	[HYBRID]
47P2	5 Cr	8:00AM-11:00AM	MWF	11/13/17-12/15/17	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>
47Q2	5 Cr	8:00AM-11:00AM	TThF	09/26/17-11/02/17	16 209	Turner, Jeffr	[ENHANCED]
47AD	5 Cr	6:00PM-9:00PM	W	09/27/17-12/13/17	16 209	Turner, Jeffr	[HYBRID]

NSSC 207 CISCO LEARNING LAB I

Provides opportunities for students to gain the knowledge, skills, and hands-on experience needed to prepare for the Cisco CCENT certification exam. Prerequisites: Concurrently enrolled in NSSC 200 (Cisco Networking I) & NSSC 201 (Cisco Networking II).

Additional Fee: 66.70

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
47R2	3 Cr	12:00PM-3:00PM	MWF	09/25/17-12/15/17	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>
47S2	5 Cr	8:00AM-11:00AM	TThF	11/07/17-12/15/17	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>
47T2	3 Cr	12:00PM-3:00PM	TThF	09/26/17-12/15/17	16 209	Turner, Jeffr	

ACIR 220 WEAPONIZED MALWARE & NETWORK ATTACH FORENSICS

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	09/26/17-11/02/17	16 207	Lanphier, Jay	[HYBRID]

ACIR 230 RECOVERY ANALYSIS & REPORT WRITING

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	11/07/17-12/14/17	16 207	Lanphier, Jay	[HYBRID]

CONSTRUCTION

CONST 102 SAFETY & OPERATING CERTIFICATE

Additional Fee: 32.25

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
2202	3 Cr	8:00AM-2:30PM	DAILY	09/25/17-10/06/17	05 100	Quinlan, Jame	

CONST 104 MATH & PRINT READING FOR CONSTRUCTION

Additional Fee: 32.25

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
2212	5 Cr	8:00AM-2:30PM	DAILY	10/09/17-10/13/17	05 100	Quinlan, Jame	

CONST 106 BASIC CARPENTRY SKILLS

Additional Fee: 32.25

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
2222	6 Cr	8:00AM-2:30PM	DAILY	10/16/17-10/27/17	05 100	Quinlan, Jame	

CONST 109 EMPLOYMENT PREPARATION

Additional Fee: 32.25

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
2232	4 Cr	8:00AM-2:30PM	DAILY	10/30/17-11/09/17	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>
3002	5 Cr	8:00AM-8:50AM	DAILY	09/25/17-12/15/17	03 205	Freyre, Marie	
3012	5 Cr	ARRANGED	ARRANGED	09/25/17-12/15/17	ON LINE	Freyre, Marie	[ONLINE]
3022	5 Cr	ARRANGED	ARRANGED	09/25/17-12/15/17	ON LINE	Scott, Patric	[ONLINE]
3032	5 Cr	ARRANGED	ARRANGED	09/25/17-12/15/17	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>
3042	5 Cr	10:00AM-10:50AM	DAILY	09/25/17-12/15/17	21 106	Mandley, L	[HYBRID]
3052	5 Cr	11:00AM-11:50AM	DAILY	09/25/17-12/15/17	21 106	Mandley, L	[HYBRID]
3062	5 Cr	3:00PM-5:30PM	MW	09/25/17-12/15/17	21 106	Mandley, L	[HYBRID]
3072	5 Cr	2:00PM-2:50PM	DAILY	09/25/17-12/15/17	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>
53P2	2 Cr	3:00PM-9:30PM	DAILY	09/25/17-12/15/17	08 208	Chiaro, Loree	[HYBRID]
5302	2 Cr	7:30AM-3:30PM	TWThF	09/26/17-10/10/17	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>
53Q2	5 Cr	3:00PM-9:30PM	DAILY	09/25/17-12/15/17	08 208	Chiaro, Loree	[HYBRID]
5312	5 Cr	7:30AM-3:00PM	TWThF	10/20/17-10/24/17	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>
53R2	2 Cr	3:00PM-9:30PM	DAILY	09/25/17-12/15/17	08 208	Chiaro, Loree	[HYBRID]
5322	2 Cr	7:30AM-3:00PM	TWThF	10/25/17-11/07/17	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>
53S2	14 Cr	3:00PM-9:30PM	DAILY	09/25/17-12/15/17	08 208	Chiaro, Loree	[HYBRID]
5332	14 Cr	7:30AM-3:00PM	TWThF	11/08/17-12/15/17	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>
5342	4 Cr	7:30AM-3:00PM	ThF	09/26/17-10/13/17	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>
53A2	6 Cr	7:30AM-3:00PM	T	09/26/17-11/28/17	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>
5352	7 Cr	7:30AM-3:00PM	ThF	10/19/17-12/15/17	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>
5372	9 Cr	7:30AM-3:00PM	TF	09/26/17-12/15/17	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>
5362	8 Cr	7:30AM-3:00PM	TW	09/26/17-12/15/17	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: 95.15

<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>
53B2	10 Cr	7:30AM-3:00PM	T	11/28/17-12/12/17	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>
53C2	3 Cr	7:30AM-3:00PM	WThF	09/27/17-12/15/17	08 CL#3	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>
5382	2 Cr	7:30AM-3:00PM	WTh	11/29/17-12/07/17	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>
5392	8 Cr	7:30AM-3:00PM	WTh	09/27/17-11/22/17	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>
53D2	4 Cr	7:30AM-3:00PM	TWThF	09/25/17-12/13/17	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>
53F2	10 Cr	7:30AM-3:00PM	WThF	09/27/17-12/08/17	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>
53G2	3 Cr	7:30AM-3:00PM	TWThF	09/26/17-12/05/17	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>
53H2	3 Cr	7:30AM-3:00PM	TWThF	09/26/17-12/14/17	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>
53J2	1 Cr	ARRANGED	ARRANGED	09/26/17-12/15/17	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>
53K2	2 Cr	ARRANGED	ARRANGED	09/26/17-12/15/17	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>
53L2	3 Cr	ARRANGED	ARRANGED	09/26/17-12/17/17	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>
53M2	4 Cr	ARRANGED	ARRANGED	09/26/17-12/15/17	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>
53N2	5 Cr	ARRANGED	ARRANGED	09/26/17-12/15/17	08 208	Lind, Connie	

CULINARY ARTS

CUL 109 COOKING METHODS I

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

Instructor Permission required.

Additional Fee: 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>
3202	7 Cr	9:00AM-1:45PM	WThF	09/27/17-12/15/17	31 100	Massey, Richa	

CUL 113 INTRODUCTION TO BAKING

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

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>
3212	3 Cr	11:00AM-1:45PM	MT	09/25/17-10/31/17	31 100	Massey, Richa	[ENHANCED]

CUL 117 PROFESSIONAL COOKING II

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

Instructor Permission required.

Additional Fee: 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>
3222	7 Cr	7:00AM-9:00AM	DAILY	09/25/17-12/15/17	31 100	Massey, Richa	[ENHANCED]

CUL 119 FOOD PREPARATION II

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

Instructor Permission required.

Additional Fee: 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>
3232	3 Cr	9:00AM-2:00PM	MT	11/04/17-12/12/17	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>
3242	7 Cr	9:00AM-1:45PM	WThF	09/27/17-12/15/17	31 100	Massey, Richa	

CUL 139 COOKING METHODS III

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

Instructor Permission required.

Additional Fee: 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>
3252	7 Cr	9:00AM-1:45PM	WThF	09/27/17-12/15/17	31 100	Massey, Richa	

DENTAL ASSISTANT

DAS 103 GENERAL STUDIES

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

Instructor Permission required.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
7702	4 Cr	ARRANGED	ARRANGED	09/25/17-12/15/17	ON LINE	Wirth, R	[ONLINE]

DAS 105 BIOMEDICAL SCIENCES

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

Instructor Permission required.

Additional Fee: 19.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
7712	4 Cr	12:00PM-1:00PM	W	09/27/17-12/13/17	21 109	Wirth, R	[HYBRID]

DAS 110 DENTAL SCIENCES I

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

Instructor Permission required.

Additional Fee: 24.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
7722	5 Cr	12:00PM-1:00PM	T	09/26/17-12/12/17	21 109	Wirth, R	[HYBRID]

DAS 113 DENTAL ASSISTING SKILLS I

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

Instructor Permission required.

Additional Fee: 19.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
7732	4 Cr	1:00PM-1:30PM	T	09/26/17-10/24/17	21 109	Wirth, R	[HYBRID]

DAS 116 FOUNDATIONS OF CLINICAL DENTISTRY

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

Instructor Permission required.

Additional Fee: 19.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
7742	4 Cr	12:00PM-1:00PM	Th	09/28/17-10/26/17	21 109	Wirth, R	[HYBRID]

DAS 118 PRINCIPLES OF RADIOGRAPHY I

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

Instructor Permission required.

Additional Fee: 4.90

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
7752	1 Cr	1:00PM-1:30PM	W	11/15/17-11/22/17	21 109	Wirth, R	[HYBRID]

DAS 223 DENTAL SCIENCES III

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

Additional Fee: 14.70

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
77A2	3 Cr	9:00AM-11:30AM	T	09/26/17-12/12/17	21 109	Precour, Hann	[HYBRID]

DAS 224 DENTAL ASSISTING SKILLS III

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

Additional Fee: 34.30

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
77B2	7 Cr	9:00AM-11:30AM	M	09/25/17-12/11/17	21 109	Precour, Hann	[HYBRID]

DAS 226 DENTAL SPECIALTIES II

This course provides an in-depth exploration of the dental specialties of fixed prosthodontics, removable prosthodontics and dental implants, oral and maxillofacial surgery, and pediatric dentistry. Students will also be introduced to the expanded function of pit and fissure sealants, construction and placement of provisional crowns and bridges, polishing full and partial dentures, and retraction cord placement.

Students will also prepare the operatory, give post-operative instructions, and document in the patient chart a variety of specialty procedures. Prerequisite(s): Students must successfully complete DAS 103, 105, 110, 113, 116, 118, 120, 125, 130, 135, and 140 and complete the Infection Control component of the DANB certification exam prior to continuing in the Dental Assistant Program.

Additional Fee: 39.20

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
77C2	8 Cr	9:00AM-11:30AM	W	09/27/17-12/13/17	21 109	Precour, Hann	[HYBRID]

DAS 228 CERTIFICATION REVIEW II

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

Additional Fee: 274.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
77D2	1 Cr	ARRANGED	ARRANGED	09/25/17-12/14/17	ARR	Precour, Hann	[HYBRID]

DAS 237 CLINICAL EXPERIENCE I

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

Additional Fee: 14.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
77F2	1 Cr	ARRANGED	ARRANGED	09/25/17-12/14/17	ARR	Precour, Hann	[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>
7762	4 Cr	ARRANGED	ARRANGED	09/25/17-12/15/17	ON	Wirth, R	[ONLINE]

LINE

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>
7772	5 Cr	ARRANGED	ARRANGED	09/25/17-12/15/17	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>
7782	4 Cr	ARRANGED	ARRANGED	09/25/17-12/15/17	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>
7792	2 Cr	ARRANGED	ARRANGED	09/25/17-12/15/17	ON LINE	Wirth, R	[ONLINE]

DIGITAL ENTERTAINMENT DESIGN AND PRODUCTION

DED 102 GENRE STUDIES

This course covers history of film and how economy and politics affect films through hidden symbolism. 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>
9052	3 Cr	1:00PM-6:00PM	Th	09/28/17-12/14/17	11 142A	Geary, Shawn	[ENHANCED]

DED 104 GENERAL ART

This course covers the fundamentals of traditional art and basic skills of visual expression. 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>
9062	4 Cr	1:00PM-7:00PM	W	09/27/17-12/13/17	11 142A	Felch, Chris	[ENHANCED]

DED 106 DIGITAL ART I

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

Additional Fee: 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>
9072	4 Cr	1:00PM-6:00PM	M	09/25/17-12/11/17	11 107	Geary, Shawn	[ENHANCED]

DED 108 SCREEN WRITING

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

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>
9082	3 Cr	1:00PM-6:00PM	T	09/26/17-12/12/17	11 107	Felch, Chris	[ENHANCED]

DED 120 DIGITAL PHOTOGRAPHY II

This course will build on the previous course concentrating on using light effectively. Students will begin to use photographic lights to take studio-style photographs of still life, working up to portrait photography. Prerequisite(s): Successful completion of DED 110.

Additional Fee: 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>
9002	4 Cr	1:00PM-6:00PM	M	09/25/17-12/11/17	11 142A	Felch, Chris	[ENHANCED]

DED 125 DIGITAL VIDEO I

This course introduces students to digital video equipment and proper handling. Hands-on work will involve 3-point lighting, continuity, sound, and basic editing. Students will complete a variety of technical exercises, which will familiarize them with terms and equipment.

Additional Fee: 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>
9012	4 Cr	1:00PM-6:00PM	T	09/26/17-12/12/17	11 142A	Geary, Shawn	[ENHANCED]

DED 145 DIGITAL EDITING

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

Additional Fee: 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>
9022	4 Cr	1:00PM-6:00PM	W	09/27/17-12/13/17	11 107	Geary, Shawn	[ENHANCED]

DED 150 3D MODELING 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>
9032	4 Cr	1:00PM-6:00PM	Th	09/28/17-12/14/17	11 107	Felch, Chris	[ENHANCED]

EARLY CARE AND EDUCATION

ECE 134 ISSUES AND TRENDS GREEN

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

Additional Fee: 6.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4102	2 Cr	5:00PM-6:00PM	M	10/02/17-12/11/17	10 111	Colombini, Li	

ECE 190 PRACTICUM 4: GREEN

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

Additional Fee: 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>
4112	3 Cr	5:00PM-6:00PM	M	10/02/17-12/11/17	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>
4122	3 Cr	5:00PM-6:00PM	M	10/02/17-12/11/17	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>
4132	3 Cr	5:00PM-6:00PM	M	10/02/17-12/11/17	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>
4142	3 Cr	5:00PM-6:00PM	M	10/02/17-12/11/17	10 111	Colombini, Li	

ECE 230 INCLUSION IN ECE

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

Additional Fee: 9.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4152	3 Cr	6:00PM-9:15PM	W	09/27/17-11/29/17	10 205	Edmondson, Re	

ECE 245 DIVERSITY AWARENESS & CURRICULUM DEVELOPMENT

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

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
41R2	3 Cr	ARRANGED	ARRANGED	10/02/17-12/11/17	ON LINE	Havens, Amber	[ONLINE]

ECE 290 PORTFOLIO ADVENTURE

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

Additional Fee: 6.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4162	2 Cr	ARRANGED		ARRANGED 10/05/17-12/14/17	10 111	Colombini, Li	

ECED& 100 BASIC CHILD CARE TRAINING (STARS)

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

Additional Fee: 9.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4182	3 Cr	6:00PM-9:00PM	T	09/26/17-11/28/17	10 111	Holland-Oher	
4172	3 Cr	ARRANGED	ARRANGED	10/02/17-12/11/17	ON LINE	Felch, Linda	[ONLINE]

ECED& 105 INTRODUCTION TO EARLY CHILDHOOD EDUCATION

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

Additional Fee: 15.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4192	5 Cr	6:15PM-10:15PM	M	10/02/17-12/11/17	10 111	Felch, Linda	[HYBRID]

ECED& 107 HEALTH, NUTRITION AND SAFETY

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

Additional Fee: 15.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
41A2	5 Cr	6:00PM-10:15PM	W	09/27/17-12/13/17	10 111	Lockhart, Sal	[ENHANCED]

ECED& 120 PRACTICUM: NURTURING RELATIONSHIPS

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>
41B2	2 Cr	4:00PM-5:00PM	M	10/02/17-12/11/17	10 111	Colombini, Li	[ENHANCED]

ECED& 139 ADMINISTRATION OF EARLY LEARNING PROGRAMS

Develop administrative skills required to develop, open, operate, manage, and assess early childhood education and care programs. Explore techniques and resources available for Washington State licensing and National Association for the Education of Young Children (NAEYC) standard compliance.

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>
41C2	3 Cr	6:00PM-9:00PM	M	10/02/17-12/04/17	20	Johnson, Ange	[HYBRID]

ECS 110 COMPUTER ESSENTIALS FOR THE ECE PROFESSIONAL

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

Additional Fee: 31.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
41D2	4 Cr	6:00PM-10:00PM	Th	09/28/17-12/14/17	11 107	Felch, Chris	[ENHANCED]

ECS 183 PRACTICUM III

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

Additional Fee: 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>
41F2	5 Cr	4:00PM-5:00PM	M	10/02/17-12/11/17	10 111	Colombini, Li	[ENHANCED]

ECS 202 PRESCHOOL ACTIVITIES

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

Additional Fee: 6.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
41G2	2 Cr	6:00PM-9:00PM	T	10/03/17-11/21/17	10 205	Staff	[ENHANCED]

ECS 217 PRACTICUM IV INFANTS AND TODDLERS

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

Additional Fee: 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>
41H2	3 Cr	5:00PM-6:00PM	M	10/02/17-12/11/17	10 111	Colombini, Li	

ECS 230 PRACTICUM IV SCHOOL AGE

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

Additional Fee: 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>
41J2	3 Cr	5:00PM-6:00PM	M	10/02/17-12/11/17	10 111	Colombini, Li	

ECS 235 ISSUES AND TRENDS

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

Additional Fee: 6.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
41K2	2 Cr	5:00PM-6:00PM	M	10/02/17-12/11/17	10 111	Colombini, Li	

ECS 266 LEADERSHIP IN EARLY CHILDHOOD EDUCATION

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

Additional Fee: 12.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
41L2	4 Cr	5:30PM-9:30PM	Th	09/28/17-12/14/17	10 111	Chase-Deitri	

ECS 286 PRACTICUM IV - LEADERSHIP

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

Additional Fee: 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>
41M2	3 Cr	5:00PM-6:00PM	M	10/02/17-12/11/17	10 111	Colombini, Li	

ECS 287 PRACTICUM IV - CHILD DEVELOPMENT

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

Additional Fee: 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>
41N2	3 Cr	5:00PM-6:00PM	M	10/02/17-12/11/17	10 111	Colombini, Li	

ECS 288 PRACTICUM IV - FAMILY CHILDCARE PROFESSIONAL

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

Additional Fee: 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>
41P2	3 Cr	5:00PM-6:00PM	M	10/02/17-12/11/17	10 111	Colombini, Li	

ECS 297 ECE PRACTICUM IV: SPECIAL NEEDS

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

Additional Fee: 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>
41Q2	3 Cr	5:00PM-6:00PM	M	10/02/17-12/11/17	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>
5802	7 Cr	7:30AM-3:00PM	DAILY	09/25/17-12/15/17	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>
5812	7 Cr	7:30AM-3:00PM	DAILY	09/25/17-12/15/17	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>
5822	7 Cr	7:30AM-3:00PM	DAILY	09/25/17-12/15/17	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>
5832	7 Cr	7:30AM-3:00PM	DAILY	09/25/17-12/15/17	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>
5842	7 Cr	7:30AM-3:00PM	DAILY	09/25/17-12/15/17	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>
5852	7 Cr	7:30AM-3:00PM	DAILY	09/25/17-12/15/17	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>
5862	6 Cr	7:30AM-3:00PM	DAILY	09/25/17-12/15/17	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>
5872	6 Cr	7:30AM-3:00PM	DAILY	09/25/17-12/15/17	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>
5882	7 Cr	7:30AM-3:00PM	DAILY	09/25/17-12/15/17	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>
5892	2 Cr	7:30AM-3:00PM	DAILY	09/25/17-12/15/17	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>
58A2	7 Cr	7:30AM-3:00PM	DAILY	09/25/17-12/15/17	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>
58B2	7 Cr	7:30AM-3:00PM	DAILY	09/25/17-12/15/17	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>
58C2	7 Cr	7:30AM-3:00PM	DAILY	09/25/17-12/15/17	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>
58D2	7 Cr	7:30AM-3:00PM	DAILY	09/25/17-12/15/17	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>
58F2	7 Cr	7:30AM-3:00PM	DAILY	09/25/17-12/15/17	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>
58G2	7 Cr	7:30AM-3:00PM	DAILY	09/25/17-12/15/17	14 213	Gordon, James	

ENGLISH

ENG 091 BASIC READING AND WRITING

(Formally ENG 082)Introduces and develops basic reading and writing skills. Focus is on writing proper sentences and sound paragraphs that express a main idea clearly and fully with a minimum of errors in sentence structure, punctuation, and spelling. Coursework emphasizes writing from observation, as well as writing in response to reading. Helps refine reading comprehension and increase vocabulary for college-level reading requirements. Prerequisite(s): Appropriate COMPASS (41 in reading, 13 in writing) placement score.

Additional Fee: 24.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
5W01	5 Cr	8:00AM-8:50AM	MTW	09/25/17-12/13/17	16 116	Mollas, Tula	[HYBRID]
5W02	5 Cr	9:00AM-9:50AM	DAILY	09/25/17-12/15/17	16 205	Staff	[HYBRID]
5W03	5 Cr	10:00AM-10:50AM	DAILY	09/25/17-12/15/17	16 205	Staff	[HYBRID]

ENG 094 ADVANCED READING AND WRITING

Enhances writing ability with emphasis on organization, unity, coherence, and adequate development of

short essays. Introduction to various types of paragraphs and essays and review of the rules and conventions of standard written English. Both paper and electronic communication tools will be used. Prerequisite: Appropriate COMPASS/ SLEP placement score or successful completion of ENG 082. Placement score or successful completion of ENG 082.

Additional Fee: 24.50

Item	Cred	Hours	Days	Start-End Dates	Location	Faculty	Internet
5W05	5 Cr	10:00AM-10:50AM	DAILY	09/25/17-12/15/17	17 230	Heath, Terry	[HYBRID]
5W06	5 Cr	1:00PM-1:50PM	MTW	09/25/17-12/15/17	16 116	Mollas, Tula	[HYBRID]
5W07	5 Cr	2:00PM-4:20PM	MW	09/25/17-12/13/17	17 230	Heath, Terry	[HYBRID]
5W08	5 Cr	6:30PM-8:50PM	MW	09/25/17-12/13/17	16 205	Hoffman-Reye	[HYBRID]
5W10	5 Cr	11:00AM-11:50AM	DAILY	09/25/17-12/15/17	17 240	Martindale, K	[HYBRID]
5W04	5 Cr	7:30AM-9:50AM	TTh	09/26/17-12/14/17	17 230	Irwin, Karen	[HYBRID]
5W09	5 Cr	8:00AM-12:30PM	Sa	09/30/17-12/09/17	16 205	Prenoveau, Su	[HYBRID]

ENGL& 101 ENGLISH COMPOSITION I

Utilize the writing process to write clearly with consideration of audience, purpose, and tone, using standard grammar and punctuation conventions along with common discourse modes and patterns of organization. Read and process sources using independent and critical thinking skills, following established conventions for incorporating and documenting sources in writing. Prerequisite(s): COMPASS (score of 77 in writing, and 81 in reading). Placement score or successful completion of ENG 094.

Additional Fee: 24.50

Item	Cred	Hours	Days	Start-End Dates	Location	Faculty	Internet
0520	5 Cr	11:00AM-11:50AM	DAILY	09/25/17-12/15/17	17 230	Staff	[HYBRID]
0521	5 Cr	1:00PM-1:50PM	DAILY	09/25/17-12/15/17	17 230	Staff	[HYBRID]
0522	5 Cr	2:00PM-2:50PM	DAILY	09/25/17-12/15/17	16 208	Staff	[HYBRID]
0523	5 Cr	6:30PM-8:50PM	MW	09/25/17-12/13/17	16 205	Hoffman-Reye	[HYBRID]
0525	Var	ARRANGED	ARRANGED	09/25/17-12/15/17	ON LINE	Martindale, K	[ONLINE]
0526	5 Cr	ARRANGED	ARRANGED	09/25/17-12/15/17	ON LINE	Heath, Terry	[ONLINE]
0527	5 Cr	ARRANGED	ARRANGED	09/25/17-12/15/17	ON LINE	Irwin, Karen	[ONLINE]
0528	5 Cr	9:00AM-9:50AM	DAILY	09/25/17-12/15/17	17 240	Martindale, K	[HYBRID]
0529	5 Cr	9:00AM-9:50AM	DAILY	09/25/17-12/15/17	17 240	Martindale, K	[HYBRID]
0530	5 Cr	10:00AM-10:50AM	DAILY	09/25/17-12/15/17	17 240	Martindale, K	[HYBRID]
0531	5 Cr	10:00AM-10:50AM	DAILY	09/25/17-12/15/17	17 240	Martindale, K	[HYBRID]
0519	5 Cr	7:30AM-9:50AM	TTh	09/26/17-12/14/17	15 112	Prenoveau, Su	[HYBRID]
0524	5 Cr	8:00AM-12:30PM	Sa	09/30/17-12/09/17	16 205	Prenoveau, Su	[HYBRID]

ENVIRONMENTAL SCIENCE

ENV 154 SITE CHARACTERIZATION

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

Additional Fee: 19.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4502	4 Cr	12:00PM-1:50PM	MTW	09/25/17-12/13/17	16 102	Smith Kathy	[ENHANCED]

ENV 157 ENVIRONMENTAL SITE ASSESSMENT

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

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4512	4 Cr	ARRANGED	ARRANGED	09/25/17-12/13/17	ON LINE	Smith Kathy	[ONLINE]

ENV 161 ENVIRONMENTAL LAW I

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

Additional Fee: 24.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4522	5 Cr	9:00AM-11:20AM	MW	09/25/17-12/13/17	16 102	Smith Kathy	[ENHANCED]

ENV 230 RURAL TECHNOLOGIES

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

Additional Fee: 19.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4532	4 Cr	9:00AM-2:00PM	Th	09/28/17-12/14/17	16 104	Fritz, Andrew	[ENHANCED]

ENV 240 INTERNSHIP

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

Additional Fee: 63.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4542	10 Cr	ARRANGED	ARRANGED	09/25/17-12/15/17	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>
4552	2 Cr	ARRANGED	ARRANGED	09/25/17-12/14/17	ON LINE	Smith Kathy	[ONLINE]

ENV 248 HYDROLOGY

Provides the basic principles of applied surface-water hydrology, ground-water hydrology, and water quality. Emphasis is placed on a watershed-based approach that uses water-quality standards to regulate surface-water quality. The concepts and principles of biologically-based water quality standards

are also introduced. Covers the occurrence, movement, and quality of water beneath the earth's surface; aquifers; well-testing methods; and sampling techniques. Prerequisite(s): Successful completion of all ENV 100-level courses, except ENV 134.

Additional Fee: 29.40

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4562	6 Cr	10:00AM-11:30AM	WF	09/27/17-12/15/17	16 104	Fritz, Andrew	[HYBRID]

ENV 250 INTRODUCTION TO AIR POLLUTION & NOISE

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

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

Additional Fee: 14.70

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4572	3 Cr	9:00AM-9:50AM	W	09/27/17-12/13/17	16 104	Fritz, Andrew	[HYBRID]

ENV 261 WATERSHED ANALYSIS

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

Additional Fee: 19.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4582	4 Cr	9:00AM-2:00PM	T	09/26/17-12/12/17	16 104	Fritz, Andrew	[ENHANCED]

ESTHETIC SCIENCES

ES 105 A & P FOR ESTHETICIANS

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

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
6202	2 Cr	8:30AM-9:30AM	DAILY	09/25/17-12/15/17	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>
6212	3 Cr	9:30AM-10:30AM	DAILY	09/25/17-12/15/17	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>
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6222 3 Cr 10:30AM-11:30AM DAILY 09/25/17-12/15/17 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>
62J2	5 Cr	8:00AM-2:30PM	DAILY	09/25/17-10/13/17	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>
6232	4 Cr	1:00PM-2:00PM	DAILY	09/25/17-12/15/17	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>
62K2	4 Cr	8:00AM-2:30PM	DAILY	10/16/17-10/27/17	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>
6242	5 Cr	11:30AM-12:30PM	DAILY	09/25/17-12/15/17	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>
6252	4 Cr	7:30AM-8:30AM	DAILY	09/25/17-12/15/17	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>
62L2	2 Cr	8:00AM-2:30PM	DAILY	10/30/17-11/07/17	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>
62M2	4 Cr	8:00AM-2:30PM	DAILY	11/08/17-11/27/17	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>
62N2	4 Cr	8:00AM-2:30PM	DAILY	11/28/17-12/08/17	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>
6262	4 Cr	9:00AM-3:30PM	DAILY	09/25/17-12/15/17	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>
62P2	1 Cr	8:00AM-2:30PM	DAILY	12/09/17-12/12/17	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: 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>
6272	7 Cr	9:00AM-3:30PM	DAILY	09/25/17-12/15/17	08 325	Sorensen, Kar	[HYBRID]

ES 141 CLINICAL APPLICATIONS II

Realistic training in our student-run clinic, incorporating every aspect of an exemplar esthetics practice and advanced modalities. Prerequisite(s): Successful completion of ES 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>
62B2	5 Cr	11:30AM-3:30PM	TWThF	10/12/17-12/01/17	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>
6282	3 Cr	9:00AM-3:30PM	DAILY	09/25/17-12/15/17	08 323	Sorensen, Kar	[HYBRID]

ES 149 LASER THEORY AND APPLICATIONS

Didactic and hands-on applications of multiple laser modalities. Course will include all related safety and first aid components. Prerequisite(s): Successful completion of ES 136, ES 140, ES 141, ES 145, ES 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>
62C2	5 Cr	9:00AM-11:15AM	DAILY	10/30/17-11/22/17	08 327	Siedlicki, M	[HYBRID]

ES 150 MEDIUM DEPTH PEELS

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

Additional Fee: 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>
62D2	2 Cr	9:00AM-3:30PM	DAILY	10/02/17-10/06/17	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>
62F2	3 Cr	9:00AM-11:15AM	DAILY	10/09/17-10/20/17	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.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
6292	5 Cr	9:00AM-3:30PM	DAILY	09/25/17-12/15/17	08 323	Sorensen, Kar	[HYBRID]

ES 157 BUSINESS PLANNING

Independent research and preparation of a business plan and portfolio as capstone project. Prerequisite(s): Successful completion of ES 136, ES 140, ES 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>
62G2	2 Cr	9:00AM-3:30PM	DAILY	09/25/17-12/08/17	08 327	Siedlicki, M	[HYBRID]

ES 158 STATE BOARD PREPARATION

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

Additional Fee: 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>
62H2	2 Cr	8:00AM-2:30PM	DAILY	12/04/17-12/08/17	08 327	Siedlicki, M	

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>
62A2	1 Cr	9:00AM-3:30PM	DAILY	09/25/17-12/15/17	08 325	Sorensen, Kar	[HYBRID]

ES 202 ADVANCED ESTHETIC THEORY

Covers advanced anti-aging modalities of skin care. Students will learn and practice advanced and holistic practices of face and body to benefit both themselves and their clients. Prerequisite(s): Valid Washington State Esthetics License.

Instructor Permission required.

Additional Fee: 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>
62Q2	2 Cr	4:00PM-6:30PM	MTWTh	09/25/17-10/12/17	08 327	Staff	

ES 204 WOUND HEALING/INFLAMMATION IN ESTHETICS

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

Instructor Permission required.

Additional Fee: 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>
62R2	2 Cr	4:00PM-9:30PM	MTWTh	10/16/17-10/25/17	08 327	Staff	

ES 206 ADVANCED COSMETIC CHEMISTRY

In-depth study of cosmetic chemicals and product knowledge. Research papers produced consisting of chemical products, ingredients, and contraindications that may occur during an esthetic treatment. Prerequisite(s): Valid Washington State Esthetics License.

Instructor Permission required.

Additional Fee: 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>
62S2	2 Cr	7:00PM-9:30PM	MTWTh	09/25/17-10/12/17	08 327	Staff	

ES 208 ADVANCED EXFOLIATION PROCEDURES

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

Instructor Permission required.

Additional Fee: 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>
62T2	4 Cr	4:00PM-9:30PM	MTWTh	10/26/17-11/13/17	08 327	Staff	

ES 210 ADVANCED CLINICAL APPLICATIONS I

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

Instructor Permission required.

Additional Fee: 14.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
62U2	3 Cr	4:00PM-9:30PM	MTWTh	11/14/17-12/14/17	08 327	Staff	

FUNDAMENTAL SKILLS FOR MANUFACTURING AND ENGINEERING CLASSES

FSME 101 WORKSHOP SAFETY

Covers occupational safety and health for workers in manufacturing and engineering workshop environments. Prerequisite(s): Instructor permission.

Instructor Permission required.

Additional Fee: 40.70

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
MQ02	3 Cr	7:30AM-3:00PM	MTWTh	09/25/17-12/15/17	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>
MQ12	5 Cr	7:30AM-3:00PM	MTWTh	09/25/17-12/15/17	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>
MQ22	5 Cr	7:30AM-3:00PM	MTWTh	09/25/17-12/15/17	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>
MQ32	5 Cr	7:30AM-3:00PM	MTWTh	09/25/17-12/15/17	TBD	Chesnes, Thom	

GRAPHIC TECHNOLOGIES

GTC 110 ART, DESIGN, AND VISUAL THINKING

Introduction to visual arts and design principles. Stresses the components of visual thinking and visual language underlying design for digital media. A series of real-life case studies and exercises applies the design process and use of basic elements of design, typography, images, color, and layout.

Additional Fee: 88.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
8502	5 Cr	9:00AM-5:00PM	Th	09/28/17-12/14/17	11 158	Owens, Darryl	

GTC 123 MACINTOSH OPERATION AND IMAGE ACQUISITION

Introduction to Macintosh computer operations and file management. Covers image acquisition and archiving from Internet and analog sources.

Additional Fee: 88.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
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8512 5 Cr 9:00AM-5:00PM M 09/25/17-12/11/17 11 154 Ritzen, Drew

GTC 130 DIGITAL IMAGING I

Introduces the fundamentals of Photoshop to include basic tools; image editing; painting; and the creation, use, and management of layers and channels.

Additional Fee: 88.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
8522	5 Cr	9:00AM-5:00PM	W	09/27/17-12/13/17	11 154	Ritzen, Drew	

GTC 143 ELECTRONIC PUBLISHING AND LAYOUT

Apply typographic terms, vocabulary, and concepts; examine type identification and explore the relationships or essence of typographic design. Apply and solve mathematical problems common to typography. Apply basic page layout and create files. Explore proofreading and correcting copy changes.

Additional Fee: 88.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
8532	5 Cr	9:00AM-5:00PM	T	09/26/17-12/12/17	11 158	Owens, Darryl	

GTC 209 ADVANCED VECTOR DIGITAL ILLUSTRATION

Students will perform advanced techniques using Adobe Illustrator; create documents using color swatches and color separations for a variety of projects; explore the abilities of different tools, panels, effects, and filters; and integrate Adobe Acrobat Pro as soft-proofing software from within Illustrator and prepare files for electronic output ready for a service provider. Prerequisite(s): Successful completion of GTC 169, or instructor approval.

Additional Fee: 88.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
8542	5 Cr	9:00AM-5:00PM	M	09/25/17-12/11/17	11 158	Owens, Darryl	

GTC 210 DIGITAL IMAGING III

Building on a solid knowledge of PhotoShop's basic functions, this course explores advanced color theory and use of PhotoShop for color correction. Students will learn efficient use of layers, masks, and channels for photo retouching and special effects. Covers optimization for production, importing, and exporting of images. Prerequisite(s): Successful completion of GTC 149, or instructor approval.

Additional Fee: 88.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
8552	5 Cr	9:00AM-5:00PM	T	09/26/17-12/12/17	11 154	Moyer, John	

GTC 223 PREPRESS II

Covers the digital production of printing jobs through the use of Adobe PDF and raster image processing. Prerequisite(s): Successful completion of GTC 164 or instructor approval.

Additional Fee: 88.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
8562	5 Cr	9:00AM-5:00PM	Th	09/28/17-12/14/17	11 154	Moyer, John	

GTC 260 WEB ANIMATION DESIGN

Offers experience using industry-standard tools for basic web animation. Students will develop familiarity with a timeline, layers, symbols, vector tools, and introductory animation techniques. Prerequisite(s): Successful completion of GTC 276 or instructor approval.

Additional Fee: 88.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
85A2	5 Cr	9:00AM-5:00PM	F	09/29/17-12/15/17	11 107	Webster, Mark	

GTC 265 WEB PROGRAMMING BASICS

Apply basic programming and graphical user-interface techniques for developing effective and useful websites. Become familiar with current HTML code syntax and CSS code for styling. Through progressive enhancement of skills, students will build multi-page websites, culminating in a personal portfolio website. Prerequisite(s): Successful completion of GTC 276 or instructor approval.

Additional Fee: 88.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
85B2	5 Cr	9:00AM-5:00PM	T	09/26/17-12/12/17	11 107	Webster, Mark	

GTC 273 WEB GRAPHIC DESIGN AND USER EXPERIENCE

Learn techniques and best practices for designing graphics to be used on the web. Build website layout mock-ups, style guides, and user interface elements using Adobe PhotoShop and Illustrator. Using modern design principles, create layouts that are both appealing and easy to use. Prerequisite(s): Successful completion of GTC 276 or instructor approval.

Additional Fee: 88.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
85C2	5 Cr	9:00AM-5:00PM	Th	09/28/17-12/14/17	11 107	Webster, Mark	

GTC 276 INDESIGN II

Students will perform advanced techniques with InDesign, create documents, use color and color separations for a variety of projects, and prepare files for electronic output. Prerequisite(s): Successful completion of GTC 174 or instructor approval.

Additional Fee: 88.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
8572	5 Cr	9:00AM-5:00PM	W	09/27/17-12/13/17	11 158	Owens, Darryl	

GTC 278 INDEPENDENT STUDY

This course explores student competency in the student's specialty skills area of the Graphic Technologies program. Students will produce a capstone project showing work accomplished and skills summarized. Prerequisite(s): Successful completion of GTC 254 Capstone class or instructor approval.

Additional Fee: 83.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
8582	4 Cr	4:00PM-5:00PM	Th	09/28/17-12/14/17	11 154	Moyer, John	

GTC 280 INTERNSHIP

Provides on-the-job field experience relevant to visual communications. Apply classroom skills to work-related supervised learning experience. Internships may be paid or non-paid assignments and occur at on- or off-campus locations. Prerequisite(s): Successful completion of GTC 254 Capstone class or instructor approval.

Additional Fee: 83.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
8592	4 Cr	ARRANGED	ARRANGED	09/25/17-12/15/17	11 158	Owens, Darryl	

HEALTH UNIT COORDINATOR

HUC 106 ANATOMY & PHYSIOLOGY FOR HLTH UNIT COORDINATOR

Introduces basic word elements used in building medical terminology and identifies the different types of

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

Additional Fee: 14.70

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
8112	3 Cr	8:00AM-2:45PM	TTh	09/25/17-12/15/17	21 105	Briggs, Marla	[HYBRID]

HUC 108 ORIENTATION TO HUC

This course will focus on orientation and introduction to campus policies and rules of conduct. This course will also introduce 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>
8102	6 Cr	8:00AM-2:45PM	DAILY	09/25/17-12/15/17	21 105	Briggs, Marla	[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>
8152	4 Cr	3:00PM-10:00PM	MThF	09/25/17-12/15/17	21 105	Perez, Joylen	[HYBRID]

HUC 113 INTRODUCTION TO COMMUNICATION IN THE HUC ROLE

Students will learn to describe and use good listening skills as a means of preventing and/or solving conflicts with a variety of people in different situations. This course also focuses on developing skills for the role of the communicator for the nursing unit. 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>
8162	1 Cr	3:00PM-10:00PM	DAILY	09/25/17-12/15/17	21 105	Perez, Joylen	[HYBRID]

HUC 114 UNIT COORDINATOR TASKS & PROCEDURES I

Enables identification of the forms commonly used in the patient's chart. Students will learn to explain the purpose of a patient's chart and recognize the charting responsibilities for each health care team member. Presents instruction and procedures for scheduling appointments by telephone, computer, and writing. Also focuses on students' performance in the computer-skill laboratory, demonstrating their cognitive knowledge for maintaining medical records; ordering laboratory and diagnostic exams; accurately transcribing physicians' orders; recognizing treatment orders; ordering nursing supplies; identifying abbreviations, symbols, and terms used in a medication order; and charting information accurately to the appropriate forms and the Kardex for their pseudo patients. 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>
8122	7 Cr	8:00AM-2:45PM	M	09/25/17-12/15/17	21 105	Briggs, Marla	[HYBRID]

HUC 118 ADV COMMUNICATIONS APPLICATIONS IN THE HUC ROLE

Improves communication among diverse cultures and incorporates the relevant needs of culturally diverse groups in the medical field. Provide students with an overview and understanding of the fundamentals of communication. Prerequisite(s): Successful completion of HUC 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>
8172	2 Cr	3:00PM-10:00PM	MTTh	09/25/17-12/15/17	21 105	Perez, Joylen	[HYBRID]

HUC 120 UNIT MANAGEMENT

Covers management responsibilities for the nursing unit, including time management and identification of possible fire and safety hazards on the nursing unit. 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>
8132	3 Cr	8:00AM-2:45PM	W	09/25/17-12/15/17	21 105	Briggs, Marla	[HYBRID]

HUC 122 UNIT MANAGEMENT II

Focuses on cognitive knowledge for managing the nursing unit and developing verbal and written communication skills. Students will develop leadership and performance skills by practicing classroom management. Prerequisite(s): Successful completion of HUC 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>
8182	3 Cr	3:00PM-10:00PM	TW	09/25/17-12/15/17	21 105	Perez, Joylen	[HYBRID]

HUC 126 LEGAL/ETHICAL ASPECTS OF UNIT COORDINATING

Enables students to identify legal elements that are necessary in regard to preparing legal documents, discussing hospital and patient confidentiality, or witnessing signatures on consents for treatment. The ethics of this profession will be explored, and students will learn how to apply these ethics in professional behaviors. Covers AIDS education, blood-borne pathogens, HIPAA and hepatitis information. Prerequisite(s): Successful completion of HUC 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>
8192	2 Cr	3:00PM-10:00PM	WF	09/25/17-12/15/17	21 105	Perez, Joylen	[HYBRID]

HUC 132 CLINICAL EXPERIENCE

Enables students to use the cognitive and performance objectives from courses HUC 102 through 126 in the clinical setting. The course focuses on resume preparation, employment application and an employment interview. In order to participate in the clinical aspect of the program, students must receive a 'No Record on File' report from the Washington State Patrol regarding crimes against persons. Clinical hours vary from six to eight hours per day, four days per week. Students unable to complete course HUC 132 will have the option of completing a clinical rotation with the next available program, on approval from the instructors, within six months. Prerequisite(s): Successful completion of HUC 106, HUC 108, HUC 114, 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>
81A2	7 Cr	ARRANGED	ARRANGED	09/25/17-12/15/17	21 105	Perez, Joylen	[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>
8142	3 Cr	12:15PM-2:45PM	TWThF	10/03/17-10/31/17	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>
1802	5 Cr	7:00AM-1:45PM	DAILY	09/25/17-12/15/17	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>
1812	4 Cr	7:00AM-1:45PM	DAILY	09/25/17-12/15/17	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>
1822	4 Cr	7:00AM-1:45PM	DAILY	09/25/17-12/15/17	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>
1842	4 Cr	7:00AM-1:45PM	DAILY	09/25/17-12/15/17	25 202	Barton, Rich	[ENHANCED]

HAC 163 REFRIGERATION CONTROLS

Additional Fee: 54.70

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
1832	3 Cr	7:00AM-1:45PM	DAILY	09/25/17-12/15/17	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>
1852	3 Cr	7:00AM-1:45PM	DAILY	09/25/17-12/15/17	25 202	Barton, Rich	[ENHANCED]

HAC 169 ADV MOTOR THEORY

Additional Fee: 49.80

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
1862	2 Cr	7:00AM-1:45PM	DAILY	09/25/17-12/15/17	25 202	Barton, Rich	[ENHANCED]

HAC 202 ADVANCED REFRIGERATION

Additional Fee: 89.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
18C2	10 Cr	7:00AM-1:45PM	DAILY	09/25/17-12/15/17	25 300	Mcghee, Dwigh	

HAC 230 EPA REFRIGERANT RECOVERY CERTIFICATION

Mandatory course designed to provide EPA nationally recognized certification required for purchasing, removing and recycling refrigerants. This class is a 12-hour training session with the certification test upon completion and is taught by a registered proctor. Required to attain degree.

Additional Fee: 44.90

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
1872	1 Cr	7:00AM-1:45PM	DAILY	09/25/17-12/15/17	25 402	Mcghee, Dwigh	[ENHANCED]

HAC 237 BASIC REFRIGERATION I

Introduction to controls, thermal physics, and equipment for air conditioning system installation and servicing. Prerequisite(s): HAC 101 through 167 and must be registered in HAC 237, HAC 242, HAC 246, and HAC 255 or instructor permission.

Additional Fee: 74.30

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
1882	7 Cr	7:00AM-1:45PM	DAILY	09/25/17-12/15/17	25 402	Mcghee, Dwigh	[ENHANCED]

HAC 242 BASIC REFRIGERATION I LAB

Hands-on experience with introduction to controls, thermal physics, and equipment for air conditioning system installation and servicing. Prerequisite(s): Must have required hand tools of the trade and must be enrolled in the Basic Refrigeration I course.

Additional Fee: 64.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
1892	5 Cr	7:00AM-1:45PM	DAILY	09/25/17-12/15/17	25 300	Mcghee, Dwigh	[ENHANCED]

HAC 246 BASIC REFIGERATION II

Introduction to controls, thermal physics, and equipment for air-conditioning system installation and servicing. Prerequisite(s): Must have required hand tools of the trade and must be enrolled in the Basic Refrigeration I course.

Additional Fee: 69.40

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
18A2	6 Cr	7:00AM-1:45PM	DAILY	09/25/17-12/15/17	25 402	Mcghee, Dwigh	[ENHANCED]

HAC 249 JOB READINESS

Covers resume writing, cover letter preparation, Internet job search, Work Source job readiness workshop, and tips on filling out job applications. Prerequisite(s): Must be enrolled in HAC 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>
18F2	5 Cr	7:00AM-1:45PM	DAILY	09/25/17-12/15/17	25 300	Mcghee, Dwigh	[ENHANCED]

HAC 255 BASIC REFIGERATION II LAB

Hands-on experience with introduction to controls, thermal physics, and equipment for air-conditioning system installation and servicing. Prerequisite(s): Must have required hand tools of the trade and must be enrolled in the Basic Refrigeration I course.

Additional Fee: 54.70

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
18B2	3 Cr	7:00AM-1:45PM	DAILY	09/25/17-12/15/17	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>
18D2	7 Cr	7:00AM-1:45PM	DAILY	09/25/17-12/15/17	25 300	Mcghee, Dwigh	[ENHANCED]

HEMODIALYSIS

HDT 106 DOSAGE CALCULATIONS

Emphasis on fractions, combined percentages, the metric system, apothecary measurements and conversions, Roman numerals and dosage calculation formulas. Prerequisite(s): COMPASS score of 68 in reading and 33 in writing, or successful completion of ENG 082. COMPASS score of 37 for pre-algebra. Completion of all first and second quarter hemodialysis classes with an 80% or better.

Additional Fee: 9.80

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
8802	2 Cr	7:00AM-8:15AM	MT	09/25/17-12/12/17	21 216	Markovits, Ke	[HYBRID]

HDT 108 HEALTH INFORMATION TECHNOLOGY IN PATIENT SERVICE

Covers the issues, trends, and impacts of electronic and networked information technology on health care services in general. Explores specific issues related to the hemodialysis technician profession. Prerequisite: Completion of all first and second quarter hemodialysis classes with an 80% or better.

Additional Fee: 9.80

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location Faculty</u>	<u>Internet</u>
8812	2 Cr	7:00AM-8:15AM	WTh	09/27/17-12/14/17	21 216 Markovits, Ke	[HYBRID]

HDT 116 COMPUTER APPLICATIONS/KEYBOARDING

Students will use computers to develop touch control and proper keyboarding and keypad techniques with emphasis on alpha/numeric data entry. Course includes skill building; keyboarding alphabetic, figure, and symbol keys; and continued keyboarding drills and practice to develop a minimum speed and accuracy of .45 WPM/150 KSPM at 98 percent accuracy. Includes an introduction to MS Office Suite for basic business correspondence. Students will use Internet navigation for research projects.

Additional Fee: 9.80

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location Faculty</u>	<u>Internet</u>
8822	2 Cr	8:30AM-9:45AM	WTh	09/27/17-12/14/17	21 216 Markovits, Ke	[HYBRID]

HDT 123 HEMODIALYSIS TERMS ANATOMY & PHYSIOLOGY

Provides the basic techniques of medical word building to be applied in acquiring an extensive medical vocabulary. Introduces anatomical, physiological, and pathological terms relating to body systems and medical abbreviations. Prerequisite: Completion of all first and second quarter hemodialysis classes with an 80% or better.

Additional Fee: 9.80

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location Faculty</u>	<u>Internet</u>
8832	2 Cr	8:30AM-9:45AM	MT	09/25/17-12/12/17	21 216 Markovits, Ke	[HYBRID]

HDT 130 HEMODIALYSIS PRINCIPLES & PROCEDURES I

Defines the basic principles of diffusion, filtration, fluid dynamics, and osmosis relating to the dialysis process. Includes overviews of the dialysis environment and kidney functions. Covers patient vitals and monitoring treatment, including identification of normal and abnormal values. Students will perform laboratory tests and use patient documentation procedures. Students will learn to identify causes, signs, symptoms, preventions and interventions for medical and technical complications that may occur during dialysis. Includes patient dietary and nutrition requirements. Prerequisite: Completion of all first and second quarter hemodialysis classes with an 80% or better.

Additional Fee: 29.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location Faculty</u>	<u>Internet</u>
8842	5 Cr	10:00AM-1:00PM	MTWTh	09/25/17-12/14/17	21 227 Markovits, Ke	[HYBRID]

HDT 160 CLINICAL PRACTICUM

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>
8852	6 Cr	0:RM-0:M	DAILY	09/25/17-12/15/17	21 227 Markovits, Ke	[ENHANCED]

HDT 165 CLINICAL PRACTICUM II

During the clinical experience, students will participate in a dialysis facility as a member of the health care team in applying principles of hemodialysis, standard precautions, fluid management, initiating and concluding a dialysis treatment, patient and equipment monitoring, and treatment of routine hemodialysis problems in accordance with the standard dialysis procedures and policies of the facilities. Student will need to complete a total of 300 hours in the clinic.

Additional Fee: 14.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
8862	6 Cr	0:RM-0:M	DAILY	09/25/17-12/15/17	21 227	Markovits, Ke	[ENHANCED]

HUMAN SERVICES

HS 115 THERAPEUTIC COMMUNICATION SKILLS

Acquaints students with theories and methods of therapeutic communication as well as multicultural communication. Students will demonstrate mastery of theory through classroom activities including mock interviews and work related client interactions. Prerequisite(s): Students must be high school graduates or have passed a high school equivalency test and have COMPASS scores of 81 for reading or 77 for writing, or have successfully completed ENG 094. Students must have a COMPASS pre-algebra score of 30 or higher or be eligible to take MAT 82 or higher prior to starting the program. Students must consent to and receive a 'No Record on File' report related to crimes against persons from the Washington State Patrol.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
2402	5 Cr	9:00AM-9:50AM	DAILY	09/25/17-12/15/17	02 112	Callahan-Mcc	[HYBRID]

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

Material will increase student's knowledge of HIV/AIDS & blood borne pathogens. Students will gain knowledge of the history of HIV/AIDS and related issues. The curriculum provides training in the areas of transmission, occupational safety, and standard precautions for the human services professional. Students will utilize the proper screening tools employed by chemical dependency and health agencies in the screening and intake process for higher-risk clientele and the chemically dependent. Prerequisite(s): Completion of a terminal degree (A.A., B.A., M.S., etc.), OR student is entering their fourth quarter of the Human Services associate degree program.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
24B2	1 Cr	ARRANGED	ARRANGED	10/09/17-12/15/17	ON LINE	Hauzinger, Ir	[ONLINE]

HS 127 INTRODUCTION TO HUMAN SERVICES

Introduces students to human services as a profession and includes a historical and philosophical framework of human service delivery. Contemporary roles and the human service worker will be covered, including areas such as typical duties and tasks of human service workers, income, maintenance, children's services, family services, aging, substance abuse, mental health, services for persons with disabilities, and the sociocultural aspects of providing services in a multiculturally diverse society. Students will also examine the competencies and qualifications required to become an effective human services worker, as well as the occupational and educational alternatives for graduates. Prerequisite(s): Students must be high school graduates or have passed a high-school equivalency test and have COMPASS scores of 81 for reading and 77 for writing or have successfully completed ENG 094. Students must have a COMPASS pre-algebra score of 3730 or higher or be eligible to take MAT 82 or higher prior to starting the program.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
2412	5 Cr	10:00AM-11:50AM	MWF	09/25/17-12/15/17	02 112	Callahan-Mcc	[HYBRID]

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>
2452	5 Cr	12:30PM-5:00PM	DAILY	09/25/17-12/15/17	02 112	Staff	[HYBRID]

HS 220 THEORIES OF COUNSELING

Increases student knowledge of a variety of counseling theories, theorists, and techniques from both a historical and contemporary viewpoint. Students will explore the practical application and appropriate uses of these theories in the human services system. Prerequisite(s): Students must complete the following second-quarter Human Services courses with a 'C' grade or above to be eligible to take this course: HS 226, HS 234, HS 228, HS 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>
2472	5 Cr	9:00AM-9:50AM	DAILY	09/25/17-12/15/17	02 120	Hauzinger, Ir	[HYBRID]

HS 221 FAMILY SYSTEMS

Explores the dynamics of healthy and unhealthy family systems in both traditional and alternative families. Students will study a variety of approaches to assist families in managing and coping with the stressors of family life in contemporary society. Introduces family intervention strategies and the development of human service skills to service families. Prerequisite(s): Students must complete the following second-quarter Human Services courses with a 'C' grade or above to be eligible to take this course: HS 226, HS 234, HS 228, HS 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>
2422	3 Cr	10:00AM-11:30AM	TTh	09/26/17-12/14/17	02 112	Callahan-Mcc	[ENHANCED]

HS 227 BEHAVIORAL HEALTH & WELLNESS

Introduces students to the dimensions of wellness, including physical, emotional, social, and spiritual components. Students explore strategies for personal behavioral health and wellness, including coping strategies, personal boundaries, self-awareness, and how to avoid burnout on the job. Prerequisite(s): Students must complete the following second-quarter Human Services courses with a 'C' grade or above to be eligible to take this course: HS 226, HS 234, HS 228, HS 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>
2482	5 Cr	10:00AM-11:50AM	MWF	09/25/17-12/15/17	02 120	Hauzinger, Ir	[HYBRID]

HS 237 LAW & ETHICS FOR HUMAN SERVICES

Presents an overview of the ethical and professional issues that human services workers face in the field. Includes ethical decision-making, professional responsibilities, liability, confidentiality, records and rights of clients, professional codes of ethics, core values and personal issues, supervision, leadership, and the legal system. Prerequisite(s): Students must be high school graduates or have passed a high-school equivalency test and have COMPASS scores of 81 for reading and 77 for writing or have successfully completed ENG 094. Students must have a COMPASS pre-algebra score of 30 or higher or be eligible to take MAT 82 or higher prior to starting the program.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
2492	3 Cr	10:00AM-11:50AM	TTh	09/26/17-12/14/17	02 120	Hauzinger, Ir	[ENHANCED]

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.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
2432	Var	ARRANGED	ARRANGED	09/25/17-12/15/17	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.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
2442	Var	ARRANGED	ARRANGED	09/25/17-12/15/17	ON LINE	Callahan-Mcc	[ONLINE]

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.

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>
24J2	5 Cr	12:30PM-5:00PM	DAILY	09/25/17-12/15/17	02 112	Fitzgerald, C	[HYBRID]

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>
24G2	5 Cr	12:30PM-5:00PM	DAILY	09/25/17-12/15/17	02 112	Fitzgerald, C	[HYBRID]

HUMAN SERVICES/CHEMICAL DEPENDENCY

HSCD 134 INTRODUCTION TO ADDICTIONS

Focuses on substance and behavioral addictions in modern society by surveying prevalent addiction trends and common co-occurring disorders. Students will gain an overview of causal factors and the consequences of addiction as they relate to the individual, family, and community. A strengths-based perspective will focus on the biological, psychological, and sociocultural factors influencing addiction and recovery. Prerequisite(s): Completion of a terminal degree (A.A., B.A., M.S., etc.), OR student is entering their fourth quarter of the Human Services associate degree program.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
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HSCD 180 ADDICTIONS TREATMENT: ETHICS AND THE LAW

This course examines the federal and state laws that pertain to chemical dependency for individuals, families, and service agencies, including the relevant WAC and RCW. Students will be introduced to the local criminal, civil, and juvenile court systems. Core topics include the examination and adherence of the ethical standards for chemical dependency professionals in the helping relationship, including implications for clinical supervision and continuing education. Includes ethical decision-making, professional responsibilities, liability, confidentiality, records and rights of clients, professional codes of ethics, core values and personal issues, supervision, leadership, and the legal system. Prerequisite(s): Completion of a terminal degree (A.A., B.A., M.S., etc.), OR student is entering their fourth quarter of the Human Services associate degree program.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
24A2	5 Cr	ARRANGED	ARRANGED	09/25/17-12/15/17	ON LINE	Hauzinger, Ir	[ONLINE]

HSCD 215 CASE MANAGEMENT & RECORDKEEPING FOR THE CDP

This course provides basic chemical dependency case management skills of service coordination, referral practices, community services, ongoing evaluation of treatment progress, client needs, HIV Brief risk intervention for the chemically dependent, and learning documentation standards and applicable laws. Prerequisite(s): Completion of a terminal degree (A.A., B.A., M.S., etc.), OR student is entering their fourth quarter of the Human Services associate degree program.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
24H2	5 Cr	5:00PM-7:15PM	W	09/27/17-12/13/17	02 120	Fitzgerald, C	[HYBRID]

HSCD 235 CHEMICAL DEPENDENCY PRACTICUM

Students will work in a supervised chemical dependency agency, as approved by the internship supervisor. Students adhere to ethical and professional responsibilities as per their agency, WAC, RCW, and NAADAC guidelines. The course will provide both individual and group supervision provided by agency and instructional professionals to share experiences and further develop work-related skills. Students will complete 115 hours of supervised clinical experience. Co-requisites: Completion of HSCD Quarter 1 & 2 classes: HS 125, HSCD 134, HSCD 180, HSCD 215, HSCD 150, HSCD 155, HSCD 229, HSCD 227 or their equivalent from another institution.

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>
24C2	3 Cr	0:RM-0:M	DAILY	09/25/17-12/15/17	ARR	Staff	[HYBRID]

HSCD 249 CHEMICAL DEPENDENCY & COUNSELING II: ADLT/FAMILY

Acquaints students with culturally competent models of diagnosis and intervention for families and adolescents, as well as building an understanding for the dynamics among family members impacted by chemical dependency. Provides an overview of adolescent psychology and development and family systems theory. Discusses client, family, and community education for substance misuse.

Prerequisite(s): Completion of HSCD Quarter 1 & 2 classes: HS 125, HSCD 134, HSCD 180, HSCD 215, HSCD 150, HSCD 155, HSCD 229, HSCD 227 or their equivalent from another institution.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
24D2	5 Cr	5:00PM-7:15PM	W	09/27/17-12/13/17	02 112	Fitzgerald, C	[ENHANCED]

HSCD 251 RELAPSE PREVENTION

Familiarizes students with the basic philosophy and techniques of relapse prevention for substance abuse and the ongoing process that involves all aspects of the person's wellness and culture. Learn to recognize the warnings signs for relapse, the 12-step approach to recovery and general wellness

concepts. Prerequisite(s): Completion of HSCD Quarter 1 & 2 classes: HS 125, HSCD 134, HSCD 180, HSCD 215, HSCD 150, HSCD 155, HSCD 229, HSCD 227 or their equivalent from another institution.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
24F2	3 Cr	ARRANGED	ARRANGED	09/27/17-12/13/17	ON LINE	Fitzgerald, C	[ONLINE]

INTERIOR DESIGN

DSN 105 DRAFTING I

This course introduces students to the fundamental skills and concepts necessary for interior design planning and drawing, including use of drafting tools, exercises in line weight and line type quality, architectural scale, dimensioning, and architectural lettering.

Additional Fee: 79.40

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
3602	Var	9:00AM-11:00AM	DAILY	10/09/17-10/30/17	19 210	Schillar, Sun	

DSN 119 INTERIOR DESIGN & THE DESIGN PROCESS

This course will introduce the student to concepts to successfully steer an idea on its journey from imagination to object and to focus on where the idea is going. This introduction describes the nature of a designer's journey, maps the path a designer will take, and explores the path of what happens along the way. This course is an introduction to inspiration, conceptualization, communication, and elements and principles of design and trend spotting.

Additional Fee: 69.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
3612	4 Cr	9:00AM-11:00AM	DAILY	09/25/17-10/06/17	19 210	Bowman, Michl	

DSN 124 COLOR THEORY

This course is an introduction to the world of color, encompassing the following: the three dimensions of color, color systems, color theory, coloring agents, dimensions of color in compositions, principles and elements of design in color, color interactions, symbolisms, influence of color, and exercises of putting color to use.

Additional Fee: 69.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
3622	4 Cr	9:00AM-11:00AM	DAILY	10/31/17-11/21/17	19 210	Bowman, Michl	

DSN 136 INTRODUCTION TO DRAWING AND RENDERING

Introduction to Drawing and Rendering is a beginning look at some of the drawing methods and materials used by interior designers. This course begins with the fundamental concepts of freehand sketching and gaining the ability to think three-dimensionally. It is also an introduction for methods to communicate your design vision through hand-drawn renderings. This is shown by the use of shade, shadow, texture, pattern, color, and material qualities.

Additional Fee: 69.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
3632	4 Cr	9:00AM-11:00AM	DAILY	11/22/17-12/15/17	19 210	Bowman, Michl	

DSN 145 RESIDENTIAL PLANNING, DESIGN AND EXTERIOR SPACES

Completion of this course will provide students with the understanding of interior space planning basics and concepts using diagrams, residential codes, planning guidelines, and presentation techniques.

Students will also learn exterior elements and finishes that help to enclose the space. Prerequisite(s): Successful completion of DSN 105, DSN 121.

Additional Fee: 74.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
3672	5 Cr	9:00AM-11:00AM	DAILY	10/31/17-12/15/17	ARR	Schillar, Sun	

DSN 153 DRAFTING III

Completion of this course provides students with an understanding of typical planning dimensions and guidelines for residential interiors, as well as proper techniques to combine cabinetry, appliances, and applied measurements for graphic presentation standards. Prerequisite(s): Successful completion of DSN 105, DSN 121.

Additional Fee: 69.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
3662	4 Cr	9:00AM-11:00AM	DAILY	10/31/17-12/15/17	19 210	Schillar, Sun	

DSN 158 HISTORY OF INTERIORS

This course is a comprehensive overview of the history of interior design and furniture from antiquity to the present day, with special emphasis on design elements.

Additional Fee: 69.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
3652	4 Cr	12:00PM-2:00PM	DAILY	10/12/17-10/30/17	19 202	Bowman, Michl	

DSN 159 INTRO TO TECHNOLOGY FOR INTERIOR DESIGNERS

This course covers basic computer skills for interior designers. Contents include computer use for file management and Internet research, as well as introductions to SketchUp and Adobe design software for editing and presentation.

Additional Fee: 64.70

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
3642	3 Cr	11:00AM-12:00PM	MTTh	09/25/17-10/19/17	19 202	Watts, Julie	

DSN 202 ELEMENTS OF KITCHEN AND BATH DESIGN

This course is an introduction to the principles and elements of design for kitchens and bathrooms, including basic components, mechanical and lighting systems, color theory and construction applications.

Additional Fee: 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>
36H2	5 Cr	3:00PM-8:00PM	DAILY	09/25/17-10/13/17	19 202	Wiggins, Just	[HYBRID]

DSN 206 20/20 DRAFTING

Learn to design kitchen and bath spaces using 20-20 Design software. Skills learned include the execution of floor plans, elevation drawings, rendered perspectives, reports, and design layouts. on sheets.

Additional Fee: 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>
36J2	5 Cr	3:00PM-8:00PM	DAILY	10/16/17-11/07/17	19 202	Wiggins, Just	

DSN 208 MATERIALS AND ESTIMATING

This course is an introduction to recommending and calculating quantities for cabinetry, appliances, plumbing fixtures, lighting, hardware, and surfacing materials for kitchens and bathrooms. rials to satisfy the design criteria. Students will learn to research, estimate, recommend and order materials using product specification sheets.

Additional Fee: 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>
36K2	4 Cr	3:00PM-8:00PM	DAILY	11/08/17-11/29/17	19 202	Wiggins, Just	

DSN 211 BUSINESS PROCEDURES AND SALES

This course provides students with the understanding of business practices generally conducted by interior designers. The study will acquaint students with the basic procedures, documents, ethical conduct, associations, and certification requirements within various business formats. This course is designed to address current topics on interior design and help prepare students for a professional job search.

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>
36L2	4 Cr	3:00PM-8:00PM	DAILY	11/30/17-12/15/17	19 202	Wiggins, Just	[HYBRID]

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>
36C2	5 Cr	ARRANGED	ARRANGED	09/25/17-12/15/17	ON LINE	Watts, Julie	[ONLINE]

DSN 224 SUSTAINABILITY FOR RESIDENTIAL & COMMERCIAL APP

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

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
36D2	4 Cr	ARRANGED	ARRANGED	09/25/17-12/15/17	ON LINE	Watts, Julie	[ONLINE]

DSN 226 SUSTAINABLE STRATEGIES IN DESIGN

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

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
36F2	5 Cr	ARRANGED	ARRANGED	09/25/17-12/15/17	ON LINE	Watts, Julie	[ONLINE]

DSN 227 COMMERCIAL SPECIFICATIONS

This course covers general notes used within construction documents, the specification of products, fabrication, and applications for commercial interior design. It also covers the liabilities of the designer in regard to specification writing for codes, standards, and federal regulations that are an essential part of designing building interiors. Prerequisite(s): Successful completion of DSN 225.

Additional Fee: 69.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
3682	4 Cr	9:00AM-11:00AM	DAILY	09/25/17-10/06/17	19 202	Schillar, Sun	

DSN 229 SUSTAINABLE INTERIORS & THE INTERGRATED DESIGN P

Covers the steps to design and present a green interior space. Students will learn more about the integrated design process, develop their own sustainable interior design, and present it in a professional manner in preparation for real-life sustainable design proposals. Prerequisite(s): Completed or concurrently enrolled in DSN 215, 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>
36G2	5 Cr	ARRANGED	ARRANGED	09/25/17-12/15/17	ON LINE	Watts, Julie	[ONLINE]

DSN 236 DESIGN II

Through site visits, research and building plans, students will develop and present a space plan and design concept incorporating sustainable practices for a project of commercial nature, using an existing space as a model. Students will also be introduced to building code topics such as occupant load and means of egress. Upon completion of the project, students will give a verbal and visual presentation of their design concept. Prerequisite(s): DSN 225.

Additional Fee: 84.30

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
36B2	7 Cr	9:00AM-11:00AM	DAILY	11/15/17-12/15/17	19 202	Watts, Julie	

DSN 239 CAD II

This course includes the intermediate level use of 2-dimensional CAD (computer-aided drafting). To develop increased knowledge, speed and accuracy, students will use AutoCAD software to develop an interior drawing set using AutoCAD layouts in paper space. Prerequisite(s): Successful completion of DSN 216.

Additional Fee: 74.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
36A2	5 Cr	9:00AM-11:00AM	DAILY	10/24/17-11/14/17	19 202	Watts, Julie	

DSN 241 BUSINESS PRACTICES

This course is an introduction to business practices as generally conducted by interior designers. The intent of this study is to acquaint students with some of the daily basic procedures, documents, ethical conduct, associations, certification requirements, and fees associated with the profession of interior design within various business formats. This course is designed to address current topics within the profession and help prepare students for internships and the job search.

Additional Fee: 69.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
3692	4 Cr	9:00AM-11:00AM	DAILY	10/09/17-10/23/17	19 202	Bowman, Michl	

DSN 265 INDEPENDENT STUDY

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

Additional Fee: 64.70

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
36M2	3 Cr	ARRANGED	ARRANGED	09/25/17-12/15/17	19 210	Bowman, Michl	

DSN 270 INDEPENDENT STUDY

Explore or expand knowledge of interior design within an independent study format. With guidance and

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

Additional Fee: 69.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
36N2	4 Cr	ARRANGED	ARRANGED	09/25/17-12/15/17	19 210	Bowman, Michl	

DSN 275 INDEPENDENT STUDY

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

Additional Fee: 74.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
36P2	5 Cr	ARRANGED	ARRANGED	09/25/17-12/15/17	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>
0517	Var	ARRANGED	ARRANGED	09/25/17-12/15/17	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>
0518	Var	ARRANGED	ARRANGED	09/25/17-12/15/17	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>
0557	5 Cr	ARRANGED	ARRANGED	09/25/17-12/13/17	ON	Curry, Roger	[ONLINE]

MANUFACTURING TECHNOLOGIES

MCH 101 SHOP SAFETY

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

Instructor Permission required.

Additional Fee: 50.35

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
7802	2 Cr	ARRANGED	ARRANGED	09/25/17-12/15/17	25 105	Dam, Ken	[HYBRID]

MCH 105 SHOP MATH/BLEUPRINT

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

Instructor Permission required.

Additional Fee: 69.95

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
7812	6 Cr	ARRANGED	ARRANGED	09/25/17-12/15/17	25 105	Dam, Ken	[HYBRID]

MCH 107 SHOP MATH/BLEUPRINT II

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

Instructor Permission required.

Additional Fee: 69.95

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
7822	6 Cr	ARRANGED	ARRANGED	09/25/17-12/15/17	25 105	Dam, Ken	[HYBRID]

MCH 109 SHOP MATH/BLEUPRINT III

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

Instructor Permission required.

Additional Fee: 69.95

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
7832	6 Cr	ARRANGED	ARRANGED	09/25/17-12/15/17	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>
7842	6 Cr	ARRANGED	ARRANGED	09/25/17-12/15/17	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>
7852	6 Cr	ARRANGED	ARRANGED	09/25/17-12/15/17	25 105	Dam, Ken	[HYBRID]

MCH 121 SAFETY IN THE WORKPLACE

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

Instructor Permission required.

Additional Fee: 69.95

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
7862	6 Cr	ARRANGED	ARRANGED	09/25/17-12/15/17	25 105	Dam, Ken	[HYBRID]

MCH 122 LATHES & MILLS II

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

Instructor Permission required.

Additional Fee: 79.75

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
7872	8 Cr	ARRANGED	ARRANGED	09/25/17-12/15/17	25 105	Dam, Ken	[HYBRID]

MCH 125 LATHES & MILLS III

Progressively advanced turning and milling techniques with emphasis placed on precision setup using geometric dimensioning and tolerancing. Actual machining jobs from industry may be utilized.

Prerequisite: Instructor's permission and MCH 101.

Instructor Permission required.

Additional Fee: 89.55

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
7882	10 Cr	ARRANGED	ARRANGED	09/25/17-12/15/17	25 105	Dam, Ken	[HYBRID]

MCH 126 LATHES & MILLS IV

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

Instructor Permission required.

Additional Fee: 79.75

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
7892	8 Cr	ARRANGED	ARRANGED	09/25/17-12/15/17	25 105	Dam, Ken	[HYBRID]

MCH 129 SURFACE GRINDING

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

Instructor Permission required.

Additional Fee: 60.15

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
78A2	4 Cr	ARRANGED	ARRANGED	09/25/17-12/15/17	25	105 Dam, Ken	[HYBRID]

MCH 133 TOOL & CUTTER GRINDER

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

Instructor Permission required.

Additional Fee: 65.05

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
78B2	5 Cr	ARRANGED	ARRANGED	09/25/17-12/15/17	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>
78C2	5 Cr	ARRANGED	ARRANGED	09/25/17-12/15/17	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>
78D2	7 Cr	ARRANGED	ARRANGED	09/25/17-12/15/17	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</u>	<u>Faculty</u>	<u>Internet</u>
78F2	3 Cr	ARRANGED	ARRANGED	09/25/17-12/15/17	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</u>	<u>Faculty</u>	<u>Internet</u>
78G2	3 Cr	ARRANGED	ARRANGED	09/25/17-12/15/17	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</u>	<u>Faculty</u>	<u>Internet</u>
78H2	10 Cr	ARRANGED	ARRANGED	09/25/17-12/15/17	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</u>	<u>Faculty</u>	<u>Internet</u>
78J2	12 Cr	ARRANGED	ARRANGED	09/25/17-12/15/17	25 105	Dam, Ken	[HYBRID]

MCH 219 CAREER OPPORTUNITIES

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

Instructor Permission required.

Additional Fee: 60.15

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
78K2	4 Cr	ARRANGED	ARRANGED	09/25/17-12/15/17	25 105	Dam, Ken	[HYBRID]

MCH 223 INSPECTION TECHNIQUES

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

Instructor Permission required.

Additional Fee: 69.95

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
78L2	6 Cr	ARRANGED	ARRANGED	09/25/17-12/15/17	25 105	Dam, Ken	[HYBRID]

MCH 229 METALLURGY & HEAT TREATMENT

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

Instructor Permission required.

Additional Fee: 60.15

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
78M2	4 Cr	ARRANGED	ARRANGED	09/25/17-12/15/17	25 105	Dam, Ken	[HYBRID]

MCH 231 MANUFACTURING RESOURCES & RESEARCH

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

Instructor Permission required.

Additional Fee: 60.15

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
78N2	4 Cr	ARRANGED	ARRANGED	09/25/17-12/15/17	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>
78P2	Var	ARRANGED		ARRANGED 09/25/17-12/15/17	25 105	Dam, Ken	

MASSAGE

MASST 110 ANATOMY PHYSIOLOGY AND PATHOLOGY I

Introduces the student to anatomy and physiology, cytology, integumentary, osteology, mycology, and nervous system. ""

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
1292	5 Cr	5:30PM-8:00PM	TTh	09/26/17-12/14/17	08 108	Slegers, Edwa	
12A2	5 Cr	9:00AM-11:30AM	TTh	09/26/17-12/14/17	08 108	Slegers, Edwa	

MASST 112 SWEDISH MASSAGE THEORY

Introduces students to the history, application, and principles of Swedish massage. This includes not only the massage strokes, but also client safety, communication, and charting of results. Prerequisite(s): Students will have submitted a medical statement of health from a primary care provider verifying their ability to safely participate in all aspects of the program prior to admission. Co-requisites: MASST 112 must be taken concurrently with MASST 120.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
1202	4 Cr	9:00AM-11:30AM	MW	09/25/17-12/13/17	08 108	Meziere, Yvon	[HYBRID]
1262	4 Cr	5:30PM-7:00PM	MWF	09/25/17-12/06/17	08 305	Priest, Jason	

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>
1212	3 Cr	12:00PM-3:30PM	F	09/29/17-12/15/17	08 308	Meziere, Yvon	

MASST 120 SWEDISH MASSAGE PRACTICE

Students will apply knowledge and techniques taught in Swedish Massage Theory. This class prepares students to practice safe, relaxing, therapeutic, and effective Swedish massage. In addition to proper use and application of Swedish massage strokes, students will also practice proper self-care techniques and learn how to care for their equipment. Co-requisites: MASST 120 must be taken concurrently with MASST 112.

Additional Fee: 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>
1222	4 Cr	12:15PM-3:30PM	MW	09/25/17-12/13/17	08 308	Meziere, Yvon	
1272	4 Cr	7:00PM-9:45PM	MWF	09/25/17-12/15/17	08 305	Priest, Jason	

MASST 126 KINESIOLOGY: UPPER EXTREMITY

Introduces students to the study of movement. Presents the beginning principles and skills for locating and identifying bony landmarks and muscles of the upper extremity using palpation techniques,

movement, and anatomical terminology. ""

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
1232	2 Cr	9:00AM-3:30PM	TTh	09/26/17-11/09/17	08 308	Meziere, Yvon	
1282	2 Cr	8:00PM-10:00PM	TTh	09/28/17-12/15/17	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>
1242	1 Cr	9:00AM-3:30PM	TTh	11/14/17-12/14/17	08 308	Meziere, Yvon	

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>
1252	2 Cr	9:00AM-11:30AM	F	09/29/17-12/15/17	08 308	Meziere, Yvon	

MATH

MAT 092 PRE-ALGEBRA

(Formally MAT 082)Covers basic operations with whole numbers, fractions, decimals, percentages, ratios and proportions, signed numbers, algebraic expressions, linear equations, order of operations, basic geometry, units of measurement, and introduction to statistics. Prerequisite(s): COMPASS pre-algebra 30 or higher or successful completion of MAT 060 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>
5W11	5 Cr	8:00AM-8:50AM	DAILY	09/25/17-12/15/17	16 202	Sandoval, L	[HYBRID]
5W12	5 Cr	9:00AM-9:50AM	DAILY	09/25/17-12/15/17	16 202	Sandoval, L	[HYBRID]
5W13	5 Cr	11:00AM-11:50AM	MTW	09/25/17-12/13/17	16 116	Mollas, Tula	[HYBRID]
5W14	5 Cr	0:RM-0:M	MTW	09/25/17-12/13/17	ON LINE	Mollas, Tula	[HYBRID]
5W26	5 Cr	8:00AM-10:30AM	MW	09/25/17-12/13/17	16 113	Alexander, Di	[HYBRID]
5W29	5 Cr	11:00AM-11:50AM	DAILY	09/25/17-12/15/17	16 113	Sandoval, L	[HYBRID]
5W41	5 Cr	4:00PM-6:30PM	MW	09/25/17-12/13/17	16 111	Parnell, Sam	[HYBRID]
5W20	5 Cr	8:00AM-10:30AM	TTh	09/26/17-12/14/17	16 208	Schmeling, L	[HYBRID]
5W23	5 Cr	9:10AM-10:50AM	TWTh	09/26/17-12/14/17	15 111	Parnell, Sam	[HYBRID]
5W32	5 Cr	1:00PM-1:50PM	DAILY	09/26/17-12/15/17	16 113	Sandoval, L	[HYBRID]
5W35	5 Cr	1:30PM-4:00PM	TTh	09/26/17-12/14/17	SHC107	Alexander, Di	[HYBRID]
5W38	5 Cr	3:00PM-5:20PM	TTh	09/26/17-12/14/17	16 113	Herring, Bill	[HYBRID]
5W44	5 Cr	6:30PM-9:00PM	TTh	09/26/17-12/14/17	16 113	Alexander, Di	[HYBRID]
5W47	5 Cr	9:00AM-2:30PM	Sa	09/30/17-12/09/17	15 111	Parnell, Sam	[HYBRID]

MAT 094 INTRODUCTION TO ALGEBRA

Additional Fee: 24.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
5W15	5 Cr	10:00AM-10:50AM	MTW	09/25/17-12/13/17	16 116	Mollas, Tula	[HYBRID]
5W16	5 Cr	11:00AM-11:50AM	DAILY	09/25/17-12/15/17	16 113	Alexander, Di	[HYBRID]
5W17	5 Cr	3:00PM-3:50PM	DAILY	09/25/17-12/15/17	16 113	Parnell, Sam	[HYBRID]
5W18	5 Cr	ARRANGED	ARRANGED	09/25/17-12/15/17	ON LINE	Sandoval, L	[ONLINE]
5W27	5 Cr	8:00AM-10:30AM	MW	09/25/17-12/13/17	16 113	Alexander, Di	[HYBRID]
5W30	5 Cr	11:00AM-11:50AM	DAILY	09/25/17-12/15/17	16 113	Sandoval, L	[HYBRID]
5W42	5 Cr	4:00PM-6:30PM	MW	09/25/17-12/13/17	15 111	Parnell, Sam	[HYBRID]
5W21	5 Cr	8:00AM-10:30AM	TTh	09/26/17-12/14/17	16 208	Schmeling, L	[HYBRID]
5W24	5 Cr	9:10AM-10:50AM	TWTh	09/26/17-12/14/17	15 111	Parnell, Sam	[HYBRID]
5W33	5 Cr	1:00PM-1:50PM	DAILY	09/26/17-12/15/17	16 113	Sandoval, L	[HYBRID]
5W36	5 Cr	1:30PM-4:00PM	TTh	09/26/17-12/14/17	SHC107	Alexander, Di	[HYBRID]
5W39	5 Cr	3:00PM-5:20PM	TTh	09/26/17-12/14/17	16 113	Herring, Bill	[HYBRID]
5W45	5 Cr	6:30PM-9:00PM	TTh	09/26/17-12/14/17	16 113	Alexander, Di	[HYBRID]
5W48	5 Cr	9:00AM-2:30PM	Sa	09/30/17-12/09/17	15 111	Parnell, Sam	[HYBRID]

MAT 099 INTERMEDIATE ALGEBRA

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

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
5W19	5 Cr	ARRANGED	ARRANGED	09/25/17-12/15/17	ON LINE	Schmeling, L	[ONLINE]
5W28	5 Cr	8:00AM-10:30AM	MW	09/25/17-12/13/17	16 113	Alexander, Di	[HYBRID]
5W31	5 Cr	11:00AM-11:50AM	DAILY	09/25/17-12/15/17	16 113	Sandoval, L	[HYBRID]
5W43	5 Cr	4:00PM-6:30PM	MW	09/25/17-12/13/17	15 111	Parnell, Sam	[HYBRID]
5W22	5 Cr	8:00AM-10:30AM	TTh	09/26/17-12/14/17	16 208	Schmeling, L	[HYBRID]
5W25	5 Cr	9:10AM-10:50AM	TWTh	09/26/17-12/14/17	15 111	Parnell, Sam	[HYBRID]
5W34	5 Cr	1:00PM-1:50PM	DAILY	09/26/17-12/15/17	16 113	Sandoval, L	[HYBRID]
5W37	5 Cr	1:30PM-4:00PM	TTh	09/26/17-12/14/17	SHC107	Alexander, Di	[HYBRID]
5W40	5 Cr	3:00PM-5:20PM	TTh	09/26/17-12/14/17	16 113	Herring, Bill	[HYBRID]
5W46	5 Cr	6:30PM-9:00PM	TTh	09/26/17-12/14/17	16 113	Alexander, Di	[HYBRID]
5W49	5 Cr	9:00AM-2:30PM	Sa	09/30/17-12/09/17	15 111	Parnell, Sam	[HYBRID]

MAT 103 BUSINESS MATHEMATICS

Develops elements of algebra applied to percentages, markup and markdown, discounts, payroll, and simple and compound interest. Scientific calculator required. Prerequisite(s): COMPASS algebra score of 62 or college algebra score of 40 or above or successful completion of MAT 088 or MAT 091.

Additional Fee: 24.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
0532	5 Cr	2:00PM-2:50PM	MTWTh	09/25/17-12/14/17	16 208	Schmeling, L	[HYBRID]
0533	Var	ARRANGED	ARRANGED	09/25/17-12/15/17	ON LINE	Schmeling, L	[ONLINE]

MAT 105 MAT 105 MATH FOR INDUSTRIAL PROFESSIONS

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

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
0534	5 Cr	ARRANGED	ARRANGED	09/25/17-12/15/17	ON LINE	Gangaram, Jit	[ONLINE]
0535	5 Cr	2:00PM-2:50PM	DAILY	09/25/17-12/15/17	14 208	Stultz, Dougl	[HYBRID]

MAT 108 MATH FOR HEALTH OCCUPATIONS

Covers solutions to linear equations and quadratic equations with real roots, formulas; U.S., metric and apothecary measurement; calculation of dosages and intravenous fluid infusions; solutions and dilutions, logarithms and pH, elementary chemical calculations, and elementary statistics including standard deviation. Scientific calculator required. PREREQUISITE: Appropriate COMPASS score or successful completion of MAT 91 is required.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
0536	5 Cr	ARRANGED	ARRANGED	09/25/17-12/15/17	ON LINE	Sweerus, Neil	[ONLINE]
0537	5 Cr	10:00AM-10:50AM	DAILY	09/25/17-12/15/17	16 202	Sweerus, Neil	[HYBRID]

MAT 110 MATH FOR NON-SCIENCE MAJORS

Covers a variety of topics including probability, statistics, finance, modeling, sets and counting, and exponential and logarithmic functions. PREREQUISITE: Appropriate COMPASS score or successful completion of MAT 99 is required. ove or college algebra 40 or above) or successful completion of MAT 099.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
0538	5 Cr	ARRANGED	ARRANGED	09/25/17-12/15/17	ON LINE	Staff	[ONLINE]

MAT 111 MATH FOR COSMOTOLOGY/ESTHETICS PROFESSIONALS

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
0539	5 Cr	ARRANGED	ARRANGED	09/25/17-12/15/17	ON LINE	Stultz, Dougl	[ONLINE]

MAT 311 MATHEMATICAL TECHNIQUES FOR OPERATIONS MANAGMENT

Provides students with the foundational mathematical tools required for operations management, including acceptance sampling, decision theory, probability theory, and linear programming. Prerequisite(s): Successful completion of MATH& 146.

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>
BA02	5 Cr	0:RM-0:M	Sa	09/25/17-12/15/17	ARR	Oyler, Mel	[HYBRID]

MAT 413 MEASUREMENT AND STATISTICAL PROCESS CONTROL

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
BA22	5 Cr	ARRANGED	ARRANGED	09/25/17-12/15/17	ARR	Oyler, Mel	[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>
0540	5 Cr	ARRANGED	ARRANGED	09/25/17-12/15/17	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>
0541	5 Cr	ARRANGED	ARRANGED	09/25/17-12/15/17	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>
0542	5 Cr	9:00AM-9:50AM	DAILY	09/25/17-12/15/17	16 113	Sweerus, Neil	[HYBRID]
0543	Var	ARRANGED	ARRANGED	09/25/17-12/15/17	ON LINE	Sweerus, Neil	[ONLINE]

MECHATRONICS

MEC 120 COMPUTER AIDED DESIGN I

Introduces the use of parametric computer-aided design (CAD) software to design parts working from engineering sketches and/or prototypes. Prerequisite(s): Successful completion of FSME 113.

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>
MQ42	5 Cr	7:30AM-11:00AM	MW	09/25/17-12/15/17	25 103	Wengren, Car	[ENHANCED]

MEC 135 DIGITAL ELECTRONICS AND NETWORKING

Introduces logic fundamentals, numbering systems, codes, gates, truth tables, basic Boolean theorems, and combination logic circuits. Also introduces the elements used to create TCP/IP-based industrial networks, including switches, routers, and firewalls. The course will include network troubleshooting and the use of network diagnostic tools. Prerequisite(s): Successful completion of MEC 115.

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>
MQ52	5 Cr	7:30AM-11:00AM	TTh	09/25/17-12/15/17	25	103 Wenngren, Car	[ENHANCED]

MEC 160 PROGRAMMABLE CONTROLS I

Covers programmable logic controller (PLC) architecture, configuration, and programming. Teaches students what PLCs do and where they are used. Introduces the Relay Ladder Diagram (RLD) programming language. Students will write and test PLC RLD programs and create a PLC system using digital and analog I/O simulators. Prerequisite(s): Successful completion of MEC 140.

Instructor Permission required.

Additional Fee: 24.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
MQ62	5 Cr	11:30AM-3:15PM	MW	09/25/17-12/15/17	25	103 Wenngren, Car	

MEC 165 ROBOTICS

Covers basic robot terminology and operational skills, including safety, moving a robot in joint and world modes, and creating Teach Pendant programs. Students will also learn about preventative maintenance, and will program a robot to carry out simple tasks representative of industrial practice.

Prerequisite(s): Successful completion of MEC 140.

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>
MQ72	5 Cr	11:30AM-3:15PM	TTh	09/25/17-12/15/17	25	103 Wenngren, Car	[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>
MQA2	Var	ARRANGED	ARRANGED	09/25/17-12/15/17	25	103 Wenngren, Car	[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>
MQB2	Var	ARRANGED	ARRANGED	09/25/17-12/15/17	25	103 Wenngren, Car	[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>
MQ82	5 Cr	ARRANGED	ARRANGED	09/25/17-12/15/17	25 103	Wenggren, Car	[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>
MQ92	5 Cr	ARRANGED	ARRANGED	09/25/17-12/15/17	25 103	Wenggren, Car	[ENHANCED]

MEDICAL ASSISTANT

MAP 121 BODY SYSTEMS THEORY 101

Caring for patients with disorders associated with hematology, endocrinology, obstetrics and gynecology, urology and male reproduction, and gastroenterology. Instruction will include anatomy and physiology, pathophysiology, pharmacology, and terminology. Prerequisite(s): Successful completion of CAH 102, CAH,105, COLL 102 and MAP 107. Co-requisites: MAP 124

Additional Fee: 19.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
3802	4 Cr	12:00PM-3:00PM	TTh	09/25/17-12/13/17	21 108	Jones, Michel	[HYBRID]

MAP 124 BODY SYSTEMS APPLICATIONS 101

Practice fundamental skills relating to Body Systems Theory 101. Skills include blood glucose monitoring, care and use of the microscope, blood typing, cell identification and staining, along with physical and chemical urinalysis, and UA slide preparation. Prerequisite(s): Successful completion of CAH 102, CAH 105CL, COLL 102 and MAP 107. Co-requisites: MAP 121, .

Additional Fee: 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>
3812	3 Cr	12:00PM-3:00PM	MW	09/26/17-12/14/17	21 108	Jones, Michel	[HYBRID]

MAP 164 BODY SYSTEMS APPLICATIONS 103

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

Additional Fee: 45.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
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3872 4 Cr 3:00PM-6:30PM WF 09/27/17-12/15/17 21 122 Gowan, Amy [[HYBRID](#)]

MAP 166 BODY SYSTEMS THEORY 103

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

Additional Fee: 19.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
3862	4 Cr	3:30PM-6:30PM	TTh	09/26/17-12/14/17	21 111	Gowan, Amy	[HYBRID]

MAP 173 ACCOUNTING PRACTICES

Covers basics of accounting and bookkeeping. Includes expanded discussion on manual procedures for accounts receivable management for both private patients and insurance companies. Prerequisite(s): MAT 082 or higher. Completion of MAP 171 and MAP 179. Co-requisites: MAP 177 and MAP 209.

Additional Fee: 19.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
3842	4 Cr	7:00PM-9:30PM	TWThF	09/26/17-11/08/17	21 108	Gowan, Amy	[HYBRID]

MAP 177 FINANCIAL PRACTICES

Continues developing skills from Accounting Practices course. Instruction also includes bank accounts, cash funds, and methods of preparation for employee and employer payroll and business taxes. Prerequisite(s): MAT 082 or higher. Successful completion of MAP 171 and MAP 179. Co-requisites: MAP 173 and MAP 209.

Additional Fee: 9.80

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
3852	2 Cr	7:00PM-9:30PM	TWThF	11/14/17-12/13/17	21 108	Gowan, Amy	[HYBRID]

MAP 182 PATIENT RECEPTION AND LEGAL COMPONENTS

Emphasis on customer service within the health care field, focusing on effective communication with the patient while projecting and promoting a positive image of the profession and the office. This course also includes telephone techniques, patient scheduling, introduction to chart management, and business correspondence for the medical office, including cover letter and resume preparation. Define law and ethics relating to the health care field, focusing on components specific to medical assistants. Prerequisite(s): Successful completion of CAH 102, CAH 105CL, COLL 102, and MAP 107. Co-requisites: MAP 184.

Additional Fee: 19.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
3822	4 Cr	8:00AM-11:00AM	MTWTh	09/25/17-11/07/17	21 108	Jones, Michel	[HYBRID]

MAP 184 MEDICAL RECORDS MANAGEMENT

Instruct and apply knowledge relating to medical records, including the creation, management, and legality of both the paper and electronic record, as well as filing systems utilized within the health care office. Focus will also include assisting patients in obtaining health and community services, as well as supplies and inventory control. Prerequisite(s): Successful completion of CAH 102, CAH 105CL, COLL 102 and COLL 101. MAP 107. Co-requisites: MAP 182.

Additional Fee: 14.70

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
3832	3 Cr	8:00AM-11:00AM	MTWTh	11/08/17-12/14/17	21 108	Jones, Michel	[HYBRID]

MAP 209 EXTERNSHIP PREPARATION I

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

Additional Fee: 113.70

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
3882	3 Cr	3:00PM-9:30PM	M	10/02/17-12/04/17	21 122	Keith, Lora	

MEDICAL HISTOLOGY

HISTO 105 ORIENTATION TO HISTOLOGY LAB

Introduces laboratory and chemical safety as well as universal precautions. Covers basic overview of standard histology instrumentation, quality control procedures, specimen accessioning, record keeping, and documentation. Explores laboratory and personnel certification requirements. Prerequisites: Successful completion of BIOL 118, CHEM& 110, and ENGL& 101. "" GL& 101.

Instructor Permission required.

Additional Fee: 41.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
5602	2 Cr	8:00AM-2:00PM	DAILY	09/25/17-10/04/17	21 232	Haggerty, Reb	[ENHANCED]

HISTO 110 HISTO TECHNOLOGY I

Explores the theory and principles of fixation, processing, embedding, sectioning, and coverslipping of tissue sections. Prerequisites: Successful completion of BIOL 118, CHEM& 110, and ENGL& 101. "" GL& 101.

Instructor Permission required.

Additional Fee: 90.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
5612	10 Cr	8:00AM-2:00PM	DAILY	10/05/17-12/15/17	21 232	Haggerty, Reb	[ENHANCED]

HISTO 115 HISTO TECHNOLOGY LAB I

Explores work in a simulated histology laboratory located on the campus. During this course, students will have hands-on training in basic grossing techniques, as well as in-depth training in processing, embedding, and cutting of tissue sections. Students will also learn to identify basic tissue structures using a light microscope. "" Co-requisites: HISTO 110.

Instructor Permission required.

Additional Fee: 41.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
5622	5 Cr	8:00AM-2:00PM	DAILY	10/05/17-12/15/17	21 232	Haggerty, Reb	[ENHANCED]

MEDICAL LABORATORY TECHNICAN

MLT 216 CLINICAL BLOOD BANKING

Experience a mock clinical training rotation in blood banking under the direction of a currently practicing blood banking specialist. Building on the procedures mastered in MLT 214, students will solve real-world blood banking problems, including identification of antibodies. Students will deal with daily inventory and temperature record-keeping, perform quality assurance procedures, and receive and complete stat orders. This course is offered summer quarter. Prerequisite(s): Successful completion of MLT 214.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4812	5 Cr	8:00AM-3:00PM	DAILY	10/02/17-10/13/17	21 222	Noga	

MLT 218 URINALYSIS

Perform routine urine analysis, both macroscopic and microscopic, with attention to abnormal results and their possible cause. An overview of the anatomy and physiology of the excretory system and the normal and abnormal constituents of urine accompany laboratory practice. This course is presented summer quarter. Prerequisite(s): Successful completion of MLT 210.

Additional Fee: 41.70

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4802	3 Cr	10:00AM-4:00PM	DAILY	09/25/17-09/29/17	21 222	Guinn, Dana	[HYBRID]

MLT 221 BODY FLUIDS

Introduces the production, collection, and analyses of various body fluids, including cerebrospinal and synovial fluids. This course is offered on Wednesday afternoons during the fall quarter clinical phase. Prerequisite(s): Successful completion of MLT 218 and MLT 227.

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>
4832	1 Cr	1:00PM-5:00PM	W	10/25/17-12/13/17	21 222	Guinn, Dana	

MLT 232 CLINICAL EXPERIENCE I

This course begins the clinical phase of training in an affiliated laboratory. During this course, students will complete eight weeks of the experience (either five eight-hour days each week or four nine-hour days each week). Some clinical sites may assign 1-2 weeks of either swing or night shift as part of the clinical phase. In the next courses (MLT 235 and 236), they will continue training for eleven more weeks. Over the course of the nineteen weeks of clinical training, students will rotate through all departments and perform current routine procedures by state-of-the-art methodologies. Appropriate amounts of time are spent working in each particular discipline; to accomplish this, some students rotate through two or three different laboratories. Staff of the affiliated laboratory directly supervise students; there is ongoing contact with the instructor in the form of bimonthly site visits and Wednesday afternoon class sessions. A report of 'No Record on File' related to crimes against persons from a background check is required for participation in this training. This course is offered fall quarter. Prerequisite(s): Successful completion of MLT 227.

Additional Fee: 14.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4822	11 Cr	0:RM-0:M	DAILY	10/16/17-12/15/17	ARR	Guinn, Dana	

NON DESTRUCTIVE TESTING

NDT 108 INTRODUCTION TO NDT

Provides an overview of terms, definitions, and method overview of nondestructive testing. Methods

include: eddy current liquid penetrant, magnetic particle, radiography, and ultrasonic testing.

Additional Fee: 69.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location Faculty</u>	<u>Internet</u>
0972	5 Cr	8:00AM-12:30PM	DAILY	09/25/17-12/15/17	SHC115 Boswell, Chri	

NDT 113 MATERIALS AND PROCESS FOR NDT 1

Explores the properties of materials, both metals and non-metals, and their applications in design and manufacturing. Introduction to Lean Concepts and applications.

Additional Fee: 69.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location Faculty</u>	<u>Internet</u>
0982	5 Cr	8:00AM-12:30PM	DAILY	09/25/17-12/15/17	SHC115 Boswell, Chri	

NDT 120 VISUAL AND OPTICAL TESTING

Students will learn to detect various discontinuances related to power plant industry, structural steel fabrication and construction industry aerospace industry, petro-chemical industry and manufacturing processes.

Additional Fee: 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>
09D2	5 Cr	9:00AM-1:00PM	DAILY	09/25/17-12/15/17	SHC119 Evans, Dougla	[HYBRID]

NDT 121 MATERIALS AND PROCESS FOR NDT II

Learn the major manufacturing processes used to fabricate parts, their possible discontinuities, and how to choose the appropriate NDT methods to inspect them.

Additional Fee: 69.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location Faculty</u>	<u>Internet</u>
0992	5 Cr	8:00AM-12:30PM	DAILY	09/25/17-12/15/17	SHC115 Boswell, Chri	

NDT 125 MAGNETIC PARTICLE TESTING

Learn proper magnetization techniques, evaluate indications, interpret accept/reject standards, and implement quality control techniques. Students develop and write procedures and inspect welds, castings, and machined components. The course includes extensive hands-on training in the magnetic particle lab.

Additional Fee: 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>
09F2	5 Cr	9:00AM-1:00PM	DAILY	09/25/17-12/15/17	SHC119 Evans, Dougla	[HYBRID]

NDT 130 LIQUID PENETRANT TESTING

Covers principles and practices of liquid penetrant inspection. Learn why and when to use various types of penetrant materials, and the proper techniques necessary for reliable inspection. The course addresses the evaluation of liquid penetrant indications, interpreting standards and specifications, and checking penetrant system quality. Students review fundamental liquid penetrant principles and techniques, develop and write procedures, and inspect welds, castings, forgings, and machined components. Parts are evaluated according to relevant codes and/or standards.

Additional Fee: 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>
09G2	5 Cr	9:00AM-1:00PM	DAILY	09/25/17-12/15/17	SHC119 Evans, Dougla	[HYBRID]

NDT 160 RADIOGRAPHIC TESTING I

Introduces radiographic principals, terms, definitions, and basic theory. Basics covered give an understanding of how an X-ray tube generates X-radiation and how the use of radiation will provide a finished product. Explores basic use of X-ray film, film speed, and film processing. Introduction to

finished film quality and interpretation. Introduction to procedures using radiographic standards and codes. Introduces film interpretation for welds, castings, and nonmetallic materials, teaching accept-reject criteria.

Additional Fee: 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>
09A2	5 Cr	8:00AM-12:30PM	DAILY	09/25/17-12/15/17	SHC114 Musson, Chuck	[HYBRID]

NDT 185 PHYSICS FOR NDT PROFESSIONALS

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>
0548	5 Cr	1:45PM-4:15PM	TTh	09/26/17-12/14/17	SHC114 Oylar, Mel	[ENHANCED]

NDT 190 RADIOGRAPHIC TESTING II

Covers radiographic techniques commonly used in industrial testing. The student will make radiographs using X-ray machines and Iridium 192 isotope sources. Focuses on the safety aspect of working with radioisotopes and equipment used in isotope radiography.

Additional Fee: 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>
09B2	5 Cr	8:00AM-12:30PM	DAILY	09/25/17-12/15/17	SHC114 Musson, Chuck	[HYBRID]

NDT 230 RADIOGRAPHIC TESTING III

Covers radiographic techniques used by the American Society of Mechanical Engineers, American Welding Society Structural Welding Code, American Petroleum Institute, and other codes used in industry. The student will do radiographic inspection and evaluation to each code, computer enhanced real-time radiography, and Cobalt 60 isotope radiography.

Additional Fee: 69.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location Faculty</u>	<u>Internet</u>
09C2	5 Cr	8:00AM-12:30PM	DAILY	09/25/17-12/15/17	SHC114 Musson, Chuck	[HYBRID]

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 Faculty</u>	<u>Internet</u>
NS02	5 Cr	8:00AM-2:30PM	TWTh	09/25/17-10/13/17	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>
NS12	2 Cr	7:30AM-4:00PM	MT	10/16/17-12/15/17	21 137	Sword, Yvette	
NS22	2 Cr	7:30AM-4:00PM	WTh	10/16/17-12/15/17	21 137	Sword, Yvette	

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>
NS32	2 Cr	ARRANGED	ARRANGED	09/25/17-12/15/17	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>
NS02	5 Cr	8:00AM-2:30PM	TWTh	09/25/17-10/13/17	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>
NS12	2 Cr	7:30AM-4:00PM	MT	10/16/17-12/15/17	21 137	Sword, Yvette	
NS22	2 Cr	7:30AM-4:00PM	WTh	10/16/17-12/15/17	21 137	Sword, Yvette	

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>
NS32	2 Cr	ARRANGED	ARRANGED	09/25/17-12/15/17	ARR	Sword, Yvette	

NURSING PRACTICAL-NURSING

NURS 117 FUNDAMENTALS OF NURSING

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

Instructor Permission required.

Additional Fee: 78.05

<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>
8002	4 Cr	12:00PM-3:00PM	M	09/25/17-12/11/17	21 210	Staff	[HYBRID]

NURS 120 MEDICAL-SURGICAL NURSING I

Focuses on the use of the nursing process in care of clients with selected health disturbances. Emphasis is given to psychological, sociocultural, and developmental factors. Nursing interventions, pharmacological considerations, and client teaching are integrated. Prerequisite(s): Admission to Practical Nursing program.

Instructor Permission required.

Additional Fee: 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>
8012	3 Cr	8:00AM-11:00AM	T	09/26/17-12/12/17	21 210	Hatfield, Jud	[HYBRID]

NURS 122 PRE-PHARMACOLOGY

Prepares students to calculate drug dosages in order to accurately prepare and administer medications to a varied client population. Basic principles for client safety are reviewed. Prerequisite(s): Admission to Practical Nursing program.

Instructor Permission required.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
8022	2 Cr	8:00AM-11:00AM	M	09/25/17-12/11/17	21 210	Carver, Rober	[HYBRID]

NURS 123 BASIC HEALTH ASSESSMENT & SKILLS

Provides laboratory demonstration and supervised practice of nursing skills discussed in NURS 117 and NURS 120. Students will demonstrate competence in selected skills, using principles taught. During laboratory practice, students will use simulated equipment and classmates as patients. Prerequisite(s): Admission to Practical Nursing program.

Instructor Permission required.

Additional Fee: 88.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
8032	5 Cr	8:00AM-11:00AM	W	09/27/17-12/13/17	21 210	Staff	[HYBRID]

NURS 124 MENTAL HEALTH NURSING

Focuses on the continuum between mental health and illness and the therapeutic nurse-client relationship. Selected mental disorders will be discussed with emphasis on nursing interventions, common interdisciplinary treatments, and services available for clients in inpatient and outpatient settings. Prerequisite(s): Admission to Practical Nursing program.

Instructor Permission required.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
8042	3 Cr	12:00PM-3:00PM	T	09/26/17-12/12/17	21 210	Carver, Rober	[HYBRID]

NURS 128 CONTEMPORARY MATERNITY NURSING

Focuses on the care of childbearing women and their families through all stages of pregnancy and childbirth, as well as the first six weeks after birth. Prerequisite(s): Successful completion of NURS 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>
8052	3 Cr	12:30PM-3:30PM	M	09/25/17-12/11/17	21 211	Staff	[HYBRID]

NURS 133 MEDICAL-SURGICAL NURSING III

Focuses on the use of the nursing process in care of clients with selected health disturbances. Emphasis is given to psychological, sociocultural, and developmental factors. Pharmacologic and nutritional considerations and client teaching are integrated. Prerequisite(s): Successful completion of NURS 125, NURS 126, NURS 128, NURS 130 and NURS 131.

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>
8062	4 Cr	8:00AM-12:00PM	M	09/25/17-12/11/17	21 211	Westberry, Ca	[HYBRID]

NURS 149 CLINICAL PRACTICUM I

Provides an opportunity for students to provide care to clients in long-term care, acute, and community settings. Experience involves direct client care, nursing procedures, and administration of medications to diverse clients of every stage of life. Focuses on safe nursing practice, nursing process, communication, documentation, and client teaching. Prerequisite(s): Successful completion of NURS 125, NURS 126, NURS 128, NURS 130 and NURS 131.

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>
8072	5 Cr	ARRANGED	ARRANGED	09/25/17-12/15/17	ARR	Staff	[HYBRID]

NURS 153 CLINICAL PRACTICUM II

Provides an opportunity for students to provide care to clients in long-term care, acute, and community settings. Experience involves direct client care, nursing procedures, and administration of medications to diverse clients of every stage of life. Focuses on safe nursing practice, nursing process, communication, documentation, and client teaching. Prerequisite(s): Successful completion of NURS 125, NURS 126, NURS 128, NURS 130 and NURS 131.

Instructor Permission required.

Additional Fee: 14.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
8082	5 Cr	ARRANGED	ARRANGED	09/25/17-12/15/17	ARR	Staff	[HYBRID]

NURSING RN-OPTION

NURS 117 FUNDAMENTALS OF NURSING

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

Instructor Permission required.

Additional Fee: 78.05

<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>
8002	4 Cr	12:00PM-3:00PM	M	09/25/17-12/11/17	21 210	Staff	[HYBRID]

NURS 120 MEDICAL-SURGICAL NURSING I

Focuses on the use of the nursing process in care of clients with selected health disturbances. Emphasis is given to psychological, sociocultural, and developmental factors. Nursing interventions, pharmacological considerations, and client teaching are integrated. Prerequisite(s): Admission to Practical Nursing program.

Instructor Permission required.

Additional Fee: 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>
8012	3 Cr	8:00AM-11:00AM	T	09/26/17-12/12/17	21 210	Hatfield, Jud	[HYBRID]

NURS 122 PRE-PHARMACOLOGY

Prepares students to calculate drug dosages in order to accurately prepare and administer medications to a varied client population. Basic principles for client safety are reviewed. Prerequisite(s): Admission to Practical Nursing program.

Instructor Permission required.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
8022	2 Cr	8:00AM-11:00AM	M	09/25/17-12/11/17	21 210	Carver, Rober	[HYBRID]

NURS 123 BASIC HEALTH ASSESSMENT & SKILLS

Provides laboratory demonstration and supervised practice of nursing skills discussed in NURS 117 and NURS 120. Students will demonstrate competence in selected skills, using principles taught. During laboratory practice, students will use simulated equipment and classmates as patients. Prerequisite(s): Admission to Practical Nursing program.

Instructor Permission required.

Additional Fee: 88.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
8032	5 Cr	8:00AM-11:00AM	W	09/27/17-12/13/17	21 210	Staff	[HYBRID]

NURS 124 MENTAL HEALTH NURSING

Focuses on the continuum between mental health and illness and the therapeutic nurse-client relationship. Selected mental disorders will be discussed with emphasis on nursing interventions, common interdisciplinary treatments, and services available for clients in inpatient and outpatient settings. Prerequisite(s): Admission to Practical Nursing program.

Instructor Permission required.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
8042	3 Cr	12:00PM-3:00PM	T	09/26/17-12/12/17	21 210	Carver, Rober	[HYBRID]

NURS 128 CONTEMPORARY MATERNITY NURSING

Focuses on the care of childbearing women and their families through all stages of pregnancy and

childbirth, as well as the first six weeks after birth. Prerequisite(s): Successful completion of NURS 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>
8052	3 Cr	12:30PM-3:30PM	M	09/25/17-12/11/17	21 211	Staff	[HYBRID]

NURS 133 MEDICAL-SURGICAL NURSING III

Focuses on the use of the nursing process in care of clients with selected health disturbances. Emphasis is given to psychological, sociocultural, and developmental factors. Pharmacologic and nutritional considerations and client teaching are integrated. Prerequisite(s): Successful completion of NURS 125, NURS 126, NURS 128, NURS 130 and NURS 131.

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>
8062	4 Cr	8:00AM-12:00PM	M	09/25/17-12/11/17	21 211	Westberry, Ca	[HYBRID]

NURS 149 CLINICAL PRACTICUM I

Provides an opportunity for students to provide care to clients in long-term care, acute, and community settings. Experience involves direct client care, nursing procedures, and administration of medications to diverse clients of every stage of life. Focuses on safe nursing practice, nursing process, communication, documentation, and client teaching. Prerequisite(s): Successful completion of NURS 125, NURS 126, NURS 128, NURS 130 and NURS 131.

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>
8072	5 Cr	ARRANGED	ARRANGED	09/25/17-12/15/17	ARR	Staff	[HYBRID]

NURS 153 CLINICAL PRACTICUM II

Provides an opportunity for students to provide care to clients in long-term care, acute, and community settings. Experience involves direct client care, nursing procedures, and administration of medications to diverse clients of every stage of life. Focuses on safe nursing practice, nursing process, communication, documentation, and client teaching. Prerequisite(s): Successful completion of NURS 125, NURS 126, NURS 128, NURS 130 and NURS 131.

Instructor Permission required.

Additional Fee: 14.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
8082	5 Cr	ARRANGED	ARRANGED	09/25/17-12/15/17	ARR	Staff	[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>
0546	5 Cr	12:00PM-2:30PM	F	09/29/17-12/15/17	21 107	Scott, Patric	[HYBRID]
0547	5 Cr	3:00PM-5:30PM	F	09/29/17-12/15/17	21 107	Scott, Patric	[HYBRID]

OPERATIONS MANAGEMENT

OPM 312 FORCASTING AND SYSTEM DESIGN

Additional Fee: 24.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
BA12	5 Cr	0:RM-0:M	Sa	09/25/17-12/15/17	ARR	Oyler, Mel	[HYBRID]

OPM 411 FACILITY LAYOUT AND MATERIALS HANDLING

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
BA32	5 Cr	ARRANGED	ARRANGED	09/25/17-12/15/17	ARR	Oyler, Mel	[HYBRID]

PASTRY ARTS

BAKE 110 PATISSERIE I

Provides students with the opportunity to attain fundamental cooking, time-management, and production competencies in the program-run bistro. These include making scones, muffins, and cookies; demonstrating how to read, write and follow a standard recipe; and understanding the basic principles of various cooking methods. Students will uphold a high level of professionalism. Instructor permission required.

Instructor Permission required.

Additional Fee: 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>
3502	7 Cr	6:00AM-2:30PM	TWThF	09/26/17-12/15/17	23 313	Newman, Shell	

BAKE 114 DESSERT ALTERNATIVES

Covers how to make sugar-free, vegan and gluten-free desserts. Students will explore how to develop and use special ingredients, techniques, and methods when making desserts not using standard ingredients, such as eggs, butter, white flour, and milk.

Instructor Permission required.

Additional Fee: 122.90

<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>
3512	3 Cr	12:00PM-2:00PM	TTh	09/26/17-12/14/17	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</u>	<u>Faculty</u>	<u>Internet</u>
3522	7 Cr	6:00AM-2:30PM	TWThF	09/26/17-12/15/17	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</u>	<u>Faculty</u>	<u>Internet</u>
3532	7 Cr	6:00AM-2:30PM	TWThF	09/26/17-12/15/17	23	313 Newman, Shell	

BAKE 140 RESTAURANT DESSERTS

Introduces students to the challenges of creating individual desserts for restaurants. Students will make individual desserts for the college restaurant and learn the detailed art of the Petit Fours.

Instructor Permission required.

Additional Fee: 132.70

<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>
3542	5 Cr	8:00AM-12:00PM	TTTh	09/26/17-12/14/17	23	313 Newman, Shell	

BAKE 153 SUGAR WORK

Introduces students to the stages of sugar work. Students will demonstrate how to make various sugar-based candies and pulled sugar items. The coloring and handling of sugar flowers and ribbons will also be demonstrated.

Instructor Permission required.

Additional Fee: 122.90

<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>
3552	3 Cr	10:00AM-12:00PM	WF	09/27/17-12/15/17	23	313 Newman, Shell	

BAKE 157 WEDDING CAKES

Covers elaborate techniques used in the composition, design, and execution of wedding cakes. Explores the use of gum paste, fondant, and modeling chocolate. Students will develop a cake rendering on the spot with a customer.

Instructor Permission required.

Additional Fee: 122.90

<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>
3562	3 Cr	7:00AM-10:00AM	WF	09/27/17-12/15/17	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</u>	<u>Faculty</u>	<u>Internet</u>
3572	7 Cr	9:00AM-1:45PM	WThF	09/27/17-12/15/17	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.

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>
2762	5 Cr	ARRANGED	ARRANGED	09/25/17-12/15/17	ARR	Autry, Trisha	[HYBRID]

PT 123 PHARMACOLOGY WITH DRUG NAMES PART I

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>
2772	6 Cr	10:00AM-10:50AM	T	09/25/17-12/15/17	21 226	Autry, Trisha	[HYBRID]

PT 125 COMMUNITY PHARMACY WITH DOSAGE CALCULATIONS

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>
2782	6 Cr	11:00AM-2:30PM	T	09/25/17-12/15/17	21 226	Autry, Trisha	[HYBRID]

PT 127 PHARMACY LAB #1

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>
2792	2 Cr	10:00AM-2:30PM	W	09/25/17-12/15/17	21 226	Autry, Trisha	

PT 132 PHARMACOLOGY WUTG DRUG NAMES PART II

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>
2702	6 Cr	9:00AM-11:00AM	T	09/26/17-12/12/17	21 226	Sparks, M	[HYBRID]

PT 135 HOSPITAL PRACTICE WITH STERILE PROCESSING

Additional Fee: 29.40

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
2712	6 Cr	7:30AM-9:00AM	T	09/26/17-12/12/17	21 226	Sparks, M	[ENHANCED]

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.

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>
2732	4 Cr	12:00PM-1:00PM	Th	09/28/17-12/14/17	21 226	Sparks, M	[HYBRID]

PT 154 PHARMACY LAB #2

Additional Fee: 101.35

<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>
2722	2 Cr	7:30AM-11:30AM	Th	09/28/17-12/14/17	21 226	Sparks, M	[HYBRID]

PT 163 COMMUNITY PHARMACY CLINICAL CAPSTONE

Students will spend five-and-a-half weeks in a community pharmacy setting. While in this capstone experience, students will perform the duties of a community pharmacy technician under the direct supervision of a pharmacist preceptor. There will be ongoing contact with the instructor in the form of site visits and seminars. Prerequisite(s): Successful completion of all in-class pharmacy technician requirements with grades of 'B' or above in all courses.

Additional Fee: 156.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
2742	7 Cr	0:RM-0:M		09/25/17-12/15/17	ARR	Autry, Trisha	[HYBRID]

PT 165 INSTITUTIONAL CLINICAL CAPSTONE

Students will spend five-and-a-half weeks in an institutional pharmacy setting. While in this capstone experience, students will perform the duties of an institutional pharmacy technician under the direct supervision of a pharmacist preceptor. There will be ongoing contact with the instructor in the form of site visits and seminars. Prerequisite(s): Successful completion of all in-class pharmacy technician requirements with grades of 'B' or above in all courses.

Additional Fee: 14.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
2752	7 Cr	ARRANGED	ARRANGED	09/25/17-12/15/17	ARR	Autry, Trisha	[HYBRID]

PROFESSIONAL PILOT

AVP 105 PRIVATE PILOT I

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

Instructor Permission required.

Additional Fee: 19.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
5102	4 Cr	12:00PM-3:00PM	DAILY	09/25/17-12/15/17	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>
5112	4 Cr	12:00PM-3:00PM	DAILY	09/25/17-12/15/17	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>
5122	4 Cr	12:00PM-3:00PM	DAILY	09/25/17-12/15/17	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>
5132	4 Cr	12:00PM-3:00PM	DAILY	09/25/17-12/15/17	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>
5142	4 Cr	12:00PM-3:00PM	DAILY	09/25/17-12/15/17	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>
5152	4 Cr	12:00PM-3:00PM	DAILY	09/25/17-12/15/17	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>
5162	4 Cr	12:00PM-3:00PM	DAILY	09/25/17-12/15/17	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>
5172	4 Cr	12:00PM-3:00PM	DAILY	09/25/17-12/15/17	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>
5182	4 Cr	8:00AM-11:00AM	DAILY	09/25/17-12/15/17	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>
5192	4 Cr	8:00AM-11:00AM	DAILY	09/25/17-12/15/17	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>
51A2	4 Cr	8:00AM-11:00AM	DAILY	09/25/17-12/15/17	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>
51B2	4 Cr	8:00AM-11:00AM	DAILY	09/25/17-12/15/17	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>
51C2	4 Cr	8:00AM-11:00AM	DAILY	09/25/17-12/15/17	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>
51D2	4 Cr	8:00AM-11:00AM	DAILY	09/25/17-12/15/17	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>
51F2	4 Cr	8:00AM-11:00AM	DAILY	09/25/17-12/15/17	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>
51G2	4 Cr	8:00AM-11:00AM	DAILY	09/25/17-12/15/17	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>
51H2	4 Cr	8:00AM-11:00AM	DAILY	09/25/17-12/15/17	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>
51J2	4 Cr	8:00AM-11:00AM	DAILY	09/25/17-12/15/17	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>
51K2	4 Cr	8:00AM-11:00AM	DAILY	09/25/17-12/15/17	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	09/25/17-12/15/17	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	09/25/17-12/15/17	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>
51L2	4 Cr	8:00AM-11:00AM	DAILY	09/25/17-12/15/17	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>
51M2	4 Cr	8:00AM-11:00AM	DAILY	09/25/17-12/15/17	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	09/25/17-12/15/17	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>
51N2	4 Cr	8:00AM-11:00AM	DAILY	09/25/17-12/15/17	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>
51P2	4 Cr	8:00AM-11:00AM	DAILY	09/25/17-12/15/17	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>
51Q2	4 Cr	8:00AM-11:00AM	DAILY	09/25/17-12/15/17	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>
51R2	4 Cr	8:00AM-11:00AM	DAILY	09/25/17-12/15/17	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>
51S2	4 Cr	8:00AM-11:00AM	DAILY	09/25/17-12/15/17	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>
51T2	4 Cr	8:00AM-11:00AM	DAILY	09/25/17-12/15/17	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>
51U2	4 Cr	8:00AM-11:00AM	DAILY	09/25/17-12/15/17	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>
51V2	4 Cr	8:00AM-11:00AM	DAILY	09/25/17-12/15/17	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>
51W2	4 Cr	8:00AM-11:00AM	DAILY	09/25/17-12/15/17	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>
51X2	4 Cr	8:00AM-11:00AM	DAILY	09/25/17-12/15/17	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>
51Y2	4 Cr	8:00AM-11:00AM	DAILY	09/25/17-12/15/17	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>
51Z2	4 Cr	8:00AM-11:00AM	DAILY	09/25/17-12/15/17	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	09/25/17-12/15/17	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>
0549	5 Cr	ARRANGED	ARRANGED	09/25/17-12/13/17	Wheeler, Mike	[ONLINE]

PSYC& 100 GENERAL PSYCHOLOGY

Surveys the knowledge and methods of the discipline of psychology. Presents a broad view of this subject and establishes the foundation for further study of the discipline. Emphasis will be placed on applying psychological knowledge to daily situations, and on accessing and assessing information about behavior from a variety of sources. Skills in scientific reasoning and critical thinking will be developed. Prerequisite(s): Appropriate COMPASS (81 in reading, 77 in writing) placement score or successful completion of ENG 094.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
0550	5 Cr	ARRANGED	ARRANGED	09/25/17-12/13/17	ON LINE	Wheeler, Mike	[ONLINE]
0551	5 Cr	1:00PM-1:50PM	DAILY	09/25/17-12/13/17	16 203	Anderson, Cha	[HYBRID]
0552	5 Cr	11:00AM-11:50AM	DAILY	09/25/17-12/13/17	16 203	Wheeler, Mike	[HYBRID]
0553	5 Cr	ARRANGED	ARRANGED	09/25/17-12/13/17	ON LINE	Wheeler, Mike	[ONLINE]
0555	5 Cr	9:00AM-9:50AM	DAILY	09/25/17-12/13/17	16 203	Rose-Pennisi	[HYBRID]
0556	5 Cr	ARRANGED	ARRANGED	09/25/17-12/13/17	ON LINE	Rose-Pennisi	[ONLINE]

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>
0557	5 Cr	ARRANGED	ARRANGED	09/25/17-12/13/17	ON LINE	Curry, Roger	[ONLINE]

PSYC& 220 ABNORMAL PSYCHOLOGY

A study of the development and symptoms of mental health disorders. Topics covered include schizophrenia, mood disorders, anxiety disorders, personality disorders, psychosomatic disorders, sexual deviation, organic disorders, and the process of adjustment to stress. Attention is given to biosocial, cognitive, and cultural factors and their role in mental health. Prerequisite(s): Successful completion of PSYC& 100 or 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>
0558	5 Cr	ARRANGED	ARRANGED	09/25/17-12/13/17	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>
0515	5 Cr	2:00PM-4:20PM	MW	09/25/17-12/13/17	14 212	Staff	[HYBRID]
0514	5 Cr	9:00AM-11:20AM	TTh	09/26/17-12/14/17	14 212	Staff	[HYBRID]
0516	5 Cr	2:00PM-4:20PM	TTh	09/26/17-12/14/17	14 212	Staff	[HYBRID]

RESTAURANT OPERATIONS

REST 107 KITCHEN AND DINING MANAGEMENT

Students will learn how to communicate, lead, and manage different types of people. This entails how to hire and fire, inventory control, writing job descriptions, and creating performance reviews for both front and back of the house.

Instructor Permission required.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
3272	3 Cr	9:00AM-1:45PM	WThF	09/27/17-12/15/17	31 100	Phillips, Jen	[ENHANCED]
3582	3 Cr	9:00AM-1:45PM	WThF	09/27/17-12/15/17	23 313	Newman, Shell	

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</u>	<u>Faculty</u>	<u>Internet</u>
3282	7 Cr	9:00AM-1:45PM	WThF	09/27/17-12/15/17	31 100	Phillips, Jen	[ENHANCED]

REST 122 FOOD SERVICE NUTRITION

Learn the basics of food service nutrition for culinary professionals. This class will teach students about the biological process that occurs as you eat, what constitutes a healthy diet, and the structure and function of foods.

Instructor Permission required.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
3292	4 Cr	7:00AM-9:30AM	ThF	09/28/17-12/15/17	14 200B	Phillips, Jen	[ENHANCED]

REST 126 FINANCE AND ACCOUNTING

Prepares students to understand, interpret, and analyze financial statements, budgeting, cash flow, and cash management. This gives students a chance to become familiar with financial statements prior to entering the work force so they have a working knowledge in this area.

Instructor Permission required.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
32A2	4 Cr	7:00AM-9:00AM	MTW	09/25/17-12/13/17	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</u>	<u>Faculty</u>	<u>Internet</u>
32B2	4 Cr	9:00AM-1:45PM	WThF	09/27/17-12/15/17	31 100	Phillips, Jen	[ENHANCED]

REST 133 BEVERAGE SERVICE

Learn to set up and manage a beverage service operation successfully. Includes the history of bar service, beverage making ingredients and processes, and safety and sanitation in the bar.

Instructor Permission required.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
32C2	4 Cr	8:30AM-11:30AM	MT	09/25/17-12/12/17	14 200B	Phillips, Jen	[ENHANCED]

REST 137 HOSPITALITY LAW

Learn about laws affecting the hospitality industry on both a national and state level. This class will look at operating an establishment according to government regulations regarding sales, civil rights, liability, administration issues, and organization.

Instructor Permission required.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
32D2	4 Cr	11:30AM-2:00PM	MT	09/25/17-12/12/17	14 200B	Phillips, Jen	[ENHANCED]

RETAIL

RBM 105 FUNDAMENTALS OF ORGANIZATIONAL BEHAVIOR

Emphasizes the human factor in business, the job of the supervisor, human relations, the art of leadership and converting policy into action, job analysis and performance, how and when to discipline, and effective supervising techniques for a diverse workplace.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
5782	3 Cr	ARRANGED	ARRANGED	09/25/17-12/15/17	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</u>	<u>Faculty</u>	<u>Internet</u>
5792	3 Cr	ARRANGED	ARRANGED	09/25/17-12/15/17	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</u>	<u>Faculty</u>	<u>Internet</u>
57A2	3 Cr	ARRANGED	ARRANGED	09/25/17-12/15/17	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>
5742	3 Cr	ARRANGED	ARRANGED	09/25/17-12/15/17	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>
57B2	3 Cr	ARRANGED	ARRANGED	09/25/17-12/15/17	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>
57C2	3 Cr	ARRANGED	ARRANGED	09/25/17-12/15/17	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>
5772	3 Cr	ARRANGED	ARRANGED	09/25/17-12/15/17	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>
57J2	3 Cr	ARRANGED	ARRANGED	09/25/17-12/15/17	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>
5752	5 Cr	ARRANGED	ARRANGED	09/25/17-12/15/17	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>
5722	5 Cr	ARRANGED	ARRANGED	09/25/17-12/15/17	ON LINE	Reyggers, Ryan	[ONLINE]

RBM 133 EFFECTIVE SELLING

Nature and scope of selling and understanding buying motives, with strong emphasis on the selling process, prospecting, pre-approach, demonstration of products and services, and closing. While we use the traditional selling tenets as a foundation, this course adapts the concepts to the rapidly changing world of business in today's environment, including the use of Twitter, LinkedIn, Facebook, blogs, wikis, and other interactive ways of connecting with customers.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
57G2	5 Cr	ARRANGED	ARRANGED	09/25/17-12/15/17	ON LINE	Reyggers, Ryan	[ONLINE]

RBM 159 E-COMMERCE PRINCIPLES & APPLICATIONS

This introduction to the world of electronic commerce provides the tools necessary to understand and capitalize on the explosion of Internet-based business in today's economy. Study the technologies used to create new opportunities for business-to-business and business-to-customer services. Social Media Marketing will give you a practical approach to developing successful social media marketing plans. A proven eight-step social-media planning model provides students with a cumulative learning experience, showing them how to construct social media strategies that achieve desired marketing goals.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
5762	4 Cr	ARRANGED	ARRANGED	09/25/17-12/15/17	ON LINE	Reyggers, Ryan	[ONLINE]

RBM 162 SOCIAL MEDIA MARKETING

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
57H2	5 Cr	ARRANGED	ARRANGED	09/25/17-12/15/17	ON LINE	Reyggers, Ryan	[ONLINE]

RBM 164 MARKETING COMMUNICATIONS

Developed with real-world examples to illustrate the concepts of promotion and gives students a glimpse into industry and the challenges it faces. This course will introduce concepts on developing a target market, how to find your target market, and how to effectively build relationships through research and branding to the company's core customer.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
57K2	5 Cr	ARRANGED	ARRANGED	09/25/17-12/15/17	ON LINE	Reyggers, Ryan	[ONLINE]

RBM 166 SUCCESSFUL CAREER DEVELOPMENT

Participate in self-analysis, goal setting, career exploration, personal appearance and grooming; resume writing, application letter writing, and the employment interview; and communication of ideas, interviewing practice, and other techniques of successful career development.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
57D2	5 Cr	ARRANGED	ARRANGED	09/25/17-12/15/17	ON LINE	Reyggers, Ryan	[ONLINE]

RBM 168 CONSUMER BEHAVIOR

Introduction to the core concepts and applications of contemporary consumer behavior as it is practiced today with the latest consumer behavior statistics, examples, and trends. This course emphasizes how the recent recession, green marketing, and natural disasters all impact contemporary consumer behavior.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
57L2	5 Cr	ARRANGED	ARRANGED	09/25/17-12/15/17	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>
57F2	5 Cr	ARRANGED	ARRANGED	09/25/17-12/15/17	ON	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>
0559	5 Cr	ARRANGED	ARRANGED	09/25/17-12/13/17	ON LINE	Rose-Pennisi	[ONLINE]
0560	5 Cr	11:00AM-11:50AM	DAILY	09/25/17-12/13/17	14 208	Rose-Pennisi	[HYBRID]
0561	5 Cr	ARRANGED	ARRANGED	09/25/17-12/13/17	ON LINE	Baylor, James	[ONLINE]
0562	5 Cr	10:00AM-10:50AM	DAILY	09/25/17-12/13/17	16 203	Baylor, James	[HYBRID]

SURGICAL TECHNOLOGY

SURG 126 PATIENT CARE THEORY I

Covers surgical attire, instrument groups, OR preparation and equipment, case selection, patient transfer, positioning, skin preparation and draping concepts, patient identification, and consent. Prerequisite(s): Successful completion of SURG 136, SURG 137, SURG 138 and SURG 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>
4002	5 Cr	ARRANGED	ARRANGED	09/25/17-12/15/17	ON LINE	Clark, Keza	[ONLINE]

SURG 127 PHARMACOLOGY & ANESTHESIA

Introduces students to basic surgical-related pharmacologic and anesthetic principles, including drug classification, proper medication labeling and handling, aseptic medication preparation, and usage principles of anesthesia administration and monitoring, including complications and intervention. Prerequisite(s): Successful completion of SURG 136, SURG 137, SURG 138 and SURG 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>
4012	5 Cr	ARRANGED	ARRANGED	09/25/17-12/15/17	ON LINE	Clark, Keza	[ONLINE]

SURG 141 OPERATING ROOM THEORY II

Classroom and lab presentations of surgical specialties to include otorhinolaryngologic, orthopedic, oral/maxillofacial, plastic/reconstructive procedures, and surgical anatomy. Prerequisite(s): Successful completion of SURG 136, SURG 137, SURG 138 and SURG 146.

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>
4022	8 Cr	7:00AM-10:30AM	TWThF	09/25/17-12/15/17	21 113	Clark, Keza	[HYBRID]

SURG 151 SURGICAL LAB II

Lab presentations and practice of surgical procedures to include otorhinolaryngologic, oral/maxillofacial, and plastic/reconstructive procedures. Prerequisite(s): Successful completion of SURG 136, SURG 137, SURG 138 and SURG 146.

Additional Fee: 40.10

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4032	5 Cr	11:00AM-1:30PM	TWThF	09/25/17-12/15/17	21 120	Clark, Keza	[ENHANCED]

SURG 215 CLINICAL APPLICATIONS I

Provides the framework for students to receive experience in the operating room. Through one-on-one training in a perioperative setting, students will develop the professional attitude, behavior and skills to reinforce their role as a member of the perioperative team. Prerequisite(s): Successful completion of SURG 130, SURG 206, SURG 207 and SURG 211.

Additional Fee: 38.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4042	5 Cr	0:RM-0:M	TWThF	09/25/17-11/02/17	ARR	Armstrong, Ro	[HYBRID]

SURG 220 CLINICAL APPLICATIONS II

See Clinical Applications. Prerequisite(s): Successful completion of SURG 130, SURG 206, SURG 207, SURG 211 and SURG 215.

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>
4052	5 Cr	0:RM-0:M	TWThF	11/06/17-12/15/17	ARR	Armstrong, Ro	[HYBRID]

SURG 235 SEMINAR I

Classroom presentations on health and wellness and death and dying. Classroom preparation for the NBSTSA Certification Exam. Prerequisite(s): Successful completion of SURG 130, SURG 206, SURG 207 and SURG 211.

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>
4062	3 Cr	7:00AM-11:00AM	M	09/25/17-12/15/17	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>
9802	5 Cr	7:00AM-12:00PM	DAILY	09/25/17-12/15/17	25 403	Meyers, David	
98AQ	5 Cr	5:00PM-10:00PM	DAILY	09/25/17-12/15/17	25 403	Tonyuk, Dmitr	
98P2	5 Cr	12:00PM-5:00PM	DAILY	09/25/17-12/15/17	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>
9812	3 Cr	7:00AM-12:00PM	DAILY	09/25/17-12/15/17	25 403	Meyers, David	
98AR	3 Cr	5:00PM-10:00PM	DAILY	09/25/17-12/15/17	25 403	Tonyuk, Dmitr	
98Q2	3 Cr	12:00PM-5:00PM	DAILY	09/25/17-12/15/17	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>
9822	4 Cr	7:00AM-12:00PM	DAILY	09/25/17-12/15/17	25 403	Meyers, David	
98AS	4 Cr	5:00PM-10:00PM	DAILY	09/25/17-12/15/17	25 403	Tonyuk, Dmitr	
98R2	4 Cr	12:00PM-5:00PM	DAILY	09/25/17-12/15/17	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>
9832	7 Cr	7:00AM-12:00PM	DAILY	09/25/17-12/15/17	25 403	Meyers, David	
98AT	7 Cr	5:00PM-10:00PM	DAILY	09/25/17-12/15/17	25 403	Tonyuk, Dmitr	
98T2	7 Cr	12:00PM-5:00PM	DAILY	09/25/17-12/15/17	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>
9842	7 Cr	7:00AM-12:00PM	DAILY	09/25/17-12/15/17	25 403	Meyers, David	
98AU	7 Cr	5:00PM-10:00PM	DAILY	09/25/17-12/15/17	25 403	Tonyuk, Dmitr	
98U2	7 Cr	12:00PM-5:00PM	DAILY	09/25/17-12/15/17	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>
9852	5 Cr	7:00AM-12:00PM	DAILY	09/25/17-12/15/17	25 403	Meyers, David	
98AV	5 Cr	5:00PM-10:00PM	DAILY	09/25/17-12/15/17	25 403	Tonyuk, Dmitr	
98V2	5 Cr	12:00PM-5:00PM	DAILY	09/25/17-12/15/17	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>
9862	5 Cr	7:00AM-12:00PM	DAILY	09/25/17-12/15/17	25 403	Meyers, David	
98AW	5 Cr	5:00PM-10:00PM	DAILY	09/25/17-12/15/17	25 403	Tonyuk, Dmitr	
98W2	5 Cr	12:00PM-5:00PM	DAILY	09/25/17-12/15/17	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>
9872	7 Cr	7:00AM-12:00PM	DAILY	09/25/17-12/15/17	25 403	Meyers, David	
98AX	7 Cr	5:00PM-10:00PM	DAILY	09/25/17-12/15/17	25 403	Tonyuk, Dmitr	
98X2	7 Cr	12:00PM-5:00PM	DAILY	09/25/17-12/15/17	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>
9882	5 Cr	7:00AM-12:00PM	DAILY	09/25/17-12/15/17	25 403	Meyers, David	
98AY	5 Cr	5:00PM-10:00PM	DAILY	09/25/17-12/15/17	25 403	Tonyuk, Dmitr	
98Y2	5 Cr	12:00PM-5:00PM	DAILY	09/25/17-12/15/17	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>
9892	7 Cr	7:00AM-12:00PM	DAILY	09/25/17-12/15/17	25 403	Meyers, David	
98AL	7 Cr	12:00PM-5:00PM	DAILY	09/25/17-12/15/17	25 403	Agostino, Jus	
98AZ	7 Cr	5:00PM-10:00PM	DAILY	09/25/17-12/15/17	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	09/25/17-12/15/17	25 403	Agostino, Jus	
98BD	7 Cr	5:00PM-10:00PM	DAILY	09/25/17-12/15/17	25 403	Tonyuk, Dmitr	
98D2	7 Cr	7:00AM-12:00PM	DAILY	09/25/17-12/15/17	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	09/25/17-12/15/17	25 403	Agostino, Jus	
98BF	7 Cr	5:00PM-10:00PM	DAILY	09/25/17-12/15/17	25 403	Tonyuk, Dmitr	
98F2	7 Cr	7:00AM-12:00PM	DAILY	09/25/17-12/15/17	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	09/25/17-12/15/17	25 403	Agostino, Jus	
98BG	7 Cr	5:00PM-10:00PM	DAILY	09/25/17-12/15/17	25 403	Tonyuk, Dmitr	
98G2	7 Cr	7:00AM-12:00PM	DAILY	09/25/17-12/15/17	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	09/25/17-12/15/17	25 403	Agostino, Jus	
98BJ	Var	ARRANGED	ARRANGED	09/25/17-12/15/17	25 403	Tonyuk, Dmitr	
98H2	Var	ARRANGED	ARRANGED	09/25/17-12/15/17	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	09/25/17-12/15/17	25 403	Agostino, Jus	
98BK	Var	ARRANGED	ARRANGED	09/25/17-12/15/17	25 403	Tonyuk, Dmitr	
98J2	Var	ARRANGED	ARRANGED	09/25/17-12/15/17	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	09/25/17-12/15/17	25 403	Agostino, Jus	

98BC 7 Cr 5:00PM-10:00PM DAILY 09/25/17-12/15/17 25 403 Tonyuk, Dmitr
 98C2 7 Cr 7:00AM-12:00PM DAILY 09/25/17-12/15/17 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	09/25/17-12/15/17 25 403		Agostino, Jus	
98BM	7 Cr	5:00PM-10:00PM	DAILY	09/25/17-12/15/17 25 403		Tonyuk, Dmitr	
98K2	7 Cr	7:00AM-12:00PM	DAILY	09/25/17-12/15/17 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	09/25/17-12/15/17 25 403		Agostino, Jus	
98BN	7 Cr	5:00PM-10:00PM	DAILY	09/25/17-12/15/17 25 403		Tonyuk, Dmitr	
98L2	7 Cr	7:00AM-12:00PM	DAILY	09/25/17-12/15/17 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	09/25/17-12/15/17 25 403		Agostino, Jus	
98BP	7 Cr	5:00PM-10:00PM	DAILY	09/25/17-12/15/17 25 403		Tonyuk, Dmitr	
98N2	7 Cr	7:00AM-12:00PM	DAILY	09/25/17-12/15/17 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	09/25/17-12/15/17 25 403		Agostino, Jus	
98BL	7 Cr	5:00PM-10:00PM	DAILY	09/25/17-12/15/17 25 403		Tonyuk, Dmitr	
98M2	7 Cr	7:00AM-12:00PM	DAILY	09/25/17-12/15/17 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	09/25/17-12/15/17 25 403		Agostino, Jus	
98B2	7 Cr	7:00AM-12:00PM	DAILY	09/25/17-12/15/17 25 403		Meyers, David	
98BH	7 Cr	5:00PM-10:00PM	DAILY	09/25/17-12/15/17 25 403		Tonyuk, Dmitr	