

Spring Quarter 2019 Class Schedule

Updated 4/25/2019 7:00:00 AM

ACCOUNTING

ACCT& 201 PRINCIPLES OF ACCOUNTING I

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

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4964	5 Cr	ARRANGED	ARRANGED	04/01/19-06/16/19	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>
4984	5 Cr	11:00AM-11:50AM	TWThF	04/02/19-06/14/19	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>
49D4	5 Cr	ARRANGED	ARRANGED	04/01/19-06/16/19	ON LINE	Dorum, Lucy	ONLINE

ACTG 110 BOOKKEEPING I

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

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>
4904	4 Cr	9:00AM-10:50AM	TWThF	04/02/19-05/12/19	11 144	Dorum, Lucy	HYBRID
4914	4 Cr	ARRANGED	ARRANGED	04/02/19-05/12/19	ON LINE	Dorum, Lucy	ONLINE

ACTG 115 BOOKKEEPING II

Introduces continued principles of full cycle, double-entry accounting. Covers specialty issues, such as uncollectable accounts, depreciation, inventory, notes, interest, accruals, and end-of-period work for corporations. Also covers basics of payroll accounting and payroll tax reports. Students will maintain journals and ledgers to prepare basic financial statements for a retail business organized as a corporation and identify the 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>
4924	4 Cr	9:00AM-10:50AM	TWThF	05/14/19-06/16/19	11 144	Dorum, Lucy	HYBRID
4934	4 Cr	ARRANGED	ARRANGED	05/14/19-06/16/19	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): Accuplacer score equivalent to completion of MAT 092 and ENG 091 (minimum reading/writing combined score of 245) or equivalent or higher, or instructor approval.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4944	2 Cr	ARRANGED	ARRANGED	04/01/19-06/14/19	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>
4954	5 Cr	11:00AM-11:50AM	TWF	04/02/19-06/14/19	11 127	Dorum, Lucy	HYBRID

ACTG 160 PAYROLL & BUSINESS TAXES

Provides practice in all payroll operations, the recording of accounting entries involving payroll, and the preparation of required payroll and business tax returns. Covers the concepts, laws, and terminology required to perform specific payroll accounting functions. Prerequisite(s): Successful completion of ACTG 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>
4974	5 Cr	ARRANGED	ARRANGED	04/01/19-06/14/19	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>
4994	3 Cr	12:00PM-12:50PM	W	04/03/19-06/12/19	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>
49B4	5 Cr	ARRANGED	ARRANGED	04/01/19-06/14/19	ON LINE	Cooke, Suzann	ONLINE
49A4	5 Cr	9:00AM-9:50AM	TWThF	04/02/19-06/14/19	11 127	Cooke, Suzann	HYBRID
49K4	5 Cr	ARRANGED	ARRANGED	04/03/19-06/14/19	ON LINE	Cooke, Suzann	ONLINE

ACTG 241 QUICKBOOKS III

Covers advanced accounting activities using QuickBooks automated accounting software. Topics focus on starting up companies in mid-cycle of the fiscal period. Covers setting up prior balances with accounts receivable, accounts payable, checking, inventory, payroll, and fixed assets. Prerequisite(s): Successful completion of ACTG 143, and ACCT& 201 or instructor approval.

Additional Fee: 19.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
49C4	4 Cr	10:00AM-10:50AM	TWTh	04/02/19-06/13/19	11 127	Cooke, Suzann	

ACTG 260 BUSINESS OFFICE I

Provides an opportunity for students to experience and participate in a realistic office environment by providing financial statements, completing financial examinations, preparing payroll, and furnishing other similar financial accounting work products 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>
49F4	5 Cr	12:00PM-2:00PM	TWThF	04/02/19-06/14/19	11 127	Cooke, Suzann	HYBRID

ACTG 262 BUSINESS OFFICE II

Provides an opportunity for students to experience and participate in a realistic office environment by providing financial statements, completing financial examinations, preparing payroll, and furnishing other similar financial accounting work products to the public. Prerequisite(s): Successful completion of ACTG 260, 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>
49G4	5 Cr	12:00PM-2:00PM	TWThF	04/02/19-06/14/19	11 127	Cooke, Suzann	HYBRID

ACTG 271 INTERNSHIP I

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

Instructor Permission required.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
49J4	5 Cr	ARRANGED	ARRANGED	04/01/19-06/14/19	11 144	Cooke, Suzann	

BUS& 201 BUSINESS LAW

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

0944 4 Cr 4:00PM-8:15PM DAILY 04/01/19-06/18/19 SHC119 Conway, Jacki

ACM 130 COMPOSITE REPAIR

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

Additional Fee: 71.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
0954	4 Cr	4:00PM-8:15PM	DAILY	04/01/19-06/18/19	SHC119	Conway, Jacki	

ACM 145 SPECIAL PROJECTS

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

Additional Fee: 66.70

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
0964	3 Cr	4:00PM-8:15PM	DAILY	04/01/19-06/18/19	SHC119	Conway, Jacki	

AMERICAN SIGN LANGUAGE

ASL& 121 AMERICAN SIGN LANGUAGE I

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

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
0502	Var	2:00PM-4:30PM	MW	04/01/19-06/12/19	17 230	Wilson, Jaime	HYBRID

ARCHITECTURAL ENGINEERING DESIGN

ARC 122 RESIDENTIAL DRAFTING AND DESIGN I

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

Additional Fee: 53.70

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
6304	5 Cr	8:00AM-9:50AM	TTh	04/02/19-06/18/19	19 201	Bushnell, Pop	ENHANCED

ARC 126 RESIDENTIAL DESIGN & DRAFTING 111

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

Additional Fee: 53.70

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
6334	5 Cr	11:30AM-12:20PM	MW	04/01/19-06/17/19	19 201	Bushnell, Pop	ENHANCED

ARC 144 DETAILING AND LIGHT CONSTRUCTION

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

Additional Fee: 53.70

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
6344	5 Cr	10:00AM-10:50AM	MW	04/01/19-06/17/19	19 203	Lunceford, Ce	ENHANCED

ARC 171 DRAFTING TECHNOLOGIES I

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

Additional Fee: 53.70

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
6314	5 Cr	8:00AM-9:50AM	MW	04/01/19-06/17/19	19 201	Bushnell, Pop	ENHANCED

ARC 182 INTRO TO CAD DRAFTING

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

Additional Fee: 53.70

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
6324	5 Cr	10:00AM-11:50AM	TTh	04/02/19-06/18/19	19 203	Lunceford, Ce	ENHANCED

ARC 223 DESIGN PROJECT I

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

Additional Fee: 53.70

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
6364	5 Cr	10:30AM-11:20AM	T	04/02/19-06/18/19	19 201	Bushnell, Pop	ENHANCED

ARC 227 SPECIAL INTERN PROJECT

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

Additional Fee: 53.70

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
63A4	5 Cr	ARRANGED	ARRANGED	04/01/19-06/18/19	ARR	Bushnell, Pop	

ARC 229 SPECIAL DESIGN PROJECT

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

Additional Fee: 53.70

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
63B4	5 Cr	2:00PM-2:50PM	M	04/01/19-06/17/19	19 203	Lunceford, Ce	ENHANCED

ARC 255 EMPLOYMENT RESEARCH

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

Additional Fee: 34.10

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
6374	1 Cr	10:30AM-11:20AM	Th	04/04/19-05/16/19	19 201	Bushnell, Pop	ENHANCED

ARC 282 INTRODUCTION TO BUILDING INFORMATION MODELING

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

Additional Fee: 53.70

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
6354	5 Cr	1:00PM-2:50PM	MW	04/01/19-06/17/19	19 203	Lunceford, Ce	ENHANCED

ARC 286 ADVANCED BUILDING INFORMATION MODELING

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

Additional Fee: 53.70

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
6384	5 Cr	11:30AM-12:20PM	TTh	04/02/19-06/18/19	19 203	Lunceford, Ce	ENHANCED

ARC 288 APPLIED CADD

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

Additional Fee: 53.70

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
63C4	5 Cr	3:00PM-3:50PM	MW	04/01/19-06/17/19	19 203	Lunceford, Ce	ENHANCED

ARC 293 ENGINEERING STATICS

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

Additional Fee: 53.70

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
6394	5 Cr	1:00PM-2:50PM	TTh	04/02/19-06/18/19	19 201	Bushnell, Pop	ENHANCED

ART

ART& 100 ART APPRECIATION

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

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

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
0501	5 Cr	ARRANGED	ARRANGED	04/01/19-06/18/19	ON LINE	Rendal, Cami	ONLINE

AUTOMOTIVE COLLISION TECHNICIAN

IAUT 104 INTRODUCTION TO AUTOMOTIVE ELECTRICAL

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

Instructor Permission required.

Additional Fee: 69.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
96B4	4 Cr	7:30AM-1:50PM	DAILY	04/01/19-06/18/19	03 402	Vargo, Alan	

IAUT 105 INTRODUCTION TO AUTOMOTIVE TECHNOLOGY

Instructor Permission required.

Additional Fee: 69.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
96A4	4 Cr	7:30AM-1:50PM	DAILY	04/01/19-06/18/19	03 402	Vargo, Alan	

IAUT 115 INTRO TO AUTOMOTIVE STEERING, SUSPENSION & BRAKE

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

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
96AB	5 Cr	2:00PM-5:45PM	DAILY	04/01/19-06/18/19	03 401	Chinery, Tod	
96C4	5 Cr	7:30AM-1:50PM	DAILY	04/01/19-06/18/19	03 402	Vargo, Alan	

IAUT 130 AUTOMOTIVE HVAC

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

Instructor Permission required.

Additional Fee: 59.80

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
96D4	2 Cr	7:30AM-1:50PM	DAILY	04/01/19-06/18/19	03 402	Vargo, Alan	

IAUT 140 BASIC AUTOMOTIVE WELDING

Instructor Permission required.

Additional Fee: 69.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
96F4	4 Cr	7:30AM-1:50PM	DAILY	04/01/19-06/18/19	03 402	Vargo, Alan	

ACT 102 FUNDAMENTALS OF COLLISION REPAIR

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

Instructor Permission required.

Additional Fee: 46.95

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
9604	3 Cr	7:30AM-1:50PM	DAILY	04/01/19-06/18/19	03 301	Freeman, Kurt	

ACT 106 BODY SHOP EQUIPMENT

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

Instructor Permission required.

Additional Fee: 46.95

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
9614	3 Cr	7:30AM-1:50PM	DAILY	04/01/19-06/18/19	03 301	Freeman, Kurt	

ACT 110 WELDING, HEA, AND CUTTING

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

Instructor Permission required.

Additional Fee: 51.85

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
9624	4 Cr	7:30AM-1:50PM	DAILY	04/01/19-06/18/19	03 301	Freeman, Kurt	

ACT 115 PLASTIC/SMC REPAIR

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

Instructor Permission required.

Additional Fee: 51.85

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
9634	4 Cr	7:30AM-1:50PM	DAILY	04/01/19-06/18/19	03 301	Freeman, Kurt	

ACT 120 GLASS, TRIM & HARDWARE

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

Instructor Permission required.

Additional Fee: 56.75

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
9644	5 Cr	7:30AM-1:50PM	DAILY	04/01/19-06/18/19	03 301	Freeman, Kurt	

ACT 125 INTRODUCTION TO METAL STRAIGHTENING

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

Instructor Permission required.

Additional Fee: 46.95

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
9654	3 Cr	7:30AM-1:50PM	DAILY	04/01/19-06/18/19	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>
9664	5 Cr	7:30AM-1:50PM	DAILY	04/01/19-06/18/19	03 301	Mullins, Mich	

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>
9674	6 Cr	7:30AM-1:50PM	DAILY	04/01/19-06/18/19	03 301	Mullins, Mich	

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>
9684	5 Cr	7:30AM-1:50PM	DAILY	04/01/19-06/18/19	03 301	Mullins, Mich	

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>
9694	5 Cr	7:30AM-1:50PM	DAILY	04/01/19-06/18/19	03 301	Mullins, Mich	

AUTOMOTIVE RESTORATION AND CUSTOMIZATION

ARCF 103 FUNDAMENTALS OF SHOP EQUIPMENT

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

Instructor Permission required.

Additional Fee: 46.95

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
1704	3 Cr	7:30AM-1:50PM	DAILY	04/01/19-06/18/19	03 307	Freeman, Kurt	

ARCF 109 WELDING & METAL SKILLS

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

Instructor Permission required.

Additional Fee: 51.85

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
1714	4 Cr	7:30AM-1:50PM	DAILY	04/01/19-06/18/19	03 307	Freeman, Kurt	

ARCF 114 BASIC REPAIRS AND ASSEMBLY

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

Instructor Permission required.

Additional Fee: 71.45

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
1724	8 Cr	7:30AM-1:50PM	DAILY	04/01/19-06/18/19	03 307	Freeman, Kurt	

ARCF 119 CUSTOM FABRICATION

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

Instructor Permission required.

Additional Fee: 61.65

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
1734	6 Cr	7:30AM-1:50PM	DAILY	04/01/19-06/18/19	03 307	Freeman, Kurt	

ARCF 124 REFINISHING EQUIPMENT

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

Instructor Permission required.

Additional Fee: 51.85

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
1744	4 Cr	7:30AM-1:50PM	DAILY	04/01/19-06/18/19	03 306	Richards, G	

ARCF 129 REFINISH PREPARATION

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

Instructor Permission required.

Additional Fee: 66.55

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

1754 7 Cr 7:30AM-1:50PM DAILY 04/01/19-06/18/19 03 306 Freeman, Kurt

ARCF 130 ADVANCED PAINT APPLICATION

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

Instructor Permission required.

Additional Fee: 61.65

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
1764	Var	7:30AM-1:50PM	DAILY	04/01/18-06/18/19	03 306	Freeman, Kurt	

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>
1774	6 Cr	7:30AM-1:50PM	DAILY	04/01/19-06/18/19	03 307	Freeman, Kurt	

ARCF 134 CUSTOM REFINISHING

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

Instructor Permission required.

Additional Fee: 61.65

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
1784	6 Cr	7:30AM-1:50PM	DAILY	04/01/19-06/18/19	03 306	Freeman, Kurt	

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>
1794	4 Cr	7:30AM-1:50PM	DAILY	04/01/19-06/18/19	03 306	Freeman, Kurt	

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>
17A4	9 Cr	7:30AM-1:50PM	DAILY	04/01/19-06/18/19	03 307	Freeman, Kurt	

ARCF 159 METAL STRENGTHENING AND SHAPING

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

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>
17B4	Var	7:30AM-1:50PM	DAILY	04/01/19-06/18/19	03 307	Freeman, Kurt	

ARCF 167 CUSTOM PAINT APPLICATION

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

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>
17C4	3 Cr	7:30AM-1:50PM	DAILY	04/01/19-06/18/19	03 306	Freeman, Kurt	

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>
17D4	3 Cr	7:30AM-1:50PM	DAILY	04/01/19-06/18/19	03 307	Freeman, Kurt	

ARCF 170 CUSTOM REFINISHING - SPECIAL PROJECTS

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

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>
17F4	Var	7:30AM-1:50PM	DAILY	04/01/19-06/18/19	03 307	Freeman, Kurt	

AUTOMOTIVE TECHNICIAN

AUT 147 AUTOMOTIVE SUSPENSION AND STEERING

This module covers theory, diagnosis, and repair of SLA suspension systems, strut suspension systems, parallelogram steering systems, rack and pinion steering systems, rear suspension systems, and computer-controlled suspension systems. 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>
4634	6 Cr	7:30AM-1:50PM	DAILY	04/01/19-06/18/19	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>
4644	7 Cr	7:30AM-1:50PM	DAILY	04/01/19-06/18/19	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 and AUT 149.

Instructor Permission required.

Additional Fee: 61.65

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4654	6 Cr	7:30AM-1:50PM	DAILY	04/01/19-06/18/19	03 701	Smith, Michea	

AUT 209 ELECTRONIC SYSTEMS

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

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

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>
46A4	7 Cr	7:30AM-1:50PM	DAILY	04/01/19-06/18/19	03 901	Covington, G	

AUT 212 ELECTRICAL SYSTEMS

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

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

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>
4694	9 Cr	7:30AM-1:50PM	DAILY	04/01/19-06/18/19	03 901	Covington, G	

AUT 239 CLUTCHES & MANUAL TRANSMISSIONS

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

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>
4664	9 Cr	7:30AM-1:50PM	DAILY	04/01/19-06/18/19	03 601	Lander, Everi	HYBRID

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>
4404	Var	7:00AM-1:00PM	DAILY	04/01/19-06/18/19	SHC116	Doyon, Greg	

AMT 116 AIRCRAFT DRAWINGS,CLEANING,CORROSION CNTRL,GROUN

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

Additional Fee: 74.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4414	Var	7:00AM-1:00PM	DAILY	04/01/19-06/18/19	SHC116	Doyon, Greg	

AMT 119 MATERIALS & PROCESSES

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

Additional Fee: 74.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4424	Var	7:00AM-1:00PM	DAILY	04/01/19-06/18/19	SHC116	Doyon, Greg	

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

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

Additional Fee: 69.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4434	Var	7:00AM-1:00PM	DAILY	04/01/19-06/18/19	SHC116	Doyon, Greg	

AMT 132 WOOD STRUCTURES, AIRCRAFT COVERINGS, AND FINISHE

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

Additional Fee: 69.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4444	Var	7:00AM-1:00PM	DAILY	04/01/19-06/18/19	SHC117	Mcconkie, Ben	

AMT 135 AIRCRAFT SHEET METAL STRUCTURES

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

Additional Fee: 69.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4454	Var	7:00AM-1:00PM	DAILY	04/01/19-06/18/19	SHC117	Mcconkie, Ben	

AMT 136 WELDING, POSITION & WARNING SYSTEMS

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

Additional Fee: 64.70

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4464	Var	7:00AM-1:00PM	DAILY	04/01/19-06/18/19	SHC117	Mcconkie, Ben	

AMT 137 AIRCRAFT NON-METALIC STRUCTURES

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

Additional Fee: 69.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4474	Var	7:00AM-1:00PM	DAILY	04/01/19-06/18/19	SHC117	Mcconkie, Ben	

AMT 138 AIRCRAFT INSPECTIONS

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

Additional Fee: 69.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4494	Var	7:00AM-1:00PM	DAILY	04/01/19-06/18/19	SHC118	Joy, Earl	

AMT 139 ASSEMBLY & RIGGING

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

Additional Fee: 69.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4484	Var	7:00AM-1:00PM	DAILY	04/01/19-06/18/19	SHC117	Mcconkie, Ben	

AMT 208 HELICOPTER OPERATION AND MAINTENANCE PRACTICES

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

Additional Fee: 69.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
44A4	Var	7:00AM-1:00PM	DAILY	04/01/19-06/18/19	SHC118	Joy, Earl	

AMT 210 BASIC ROTOR SYSTEM MAINTENANCE AND REPAIR

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

Additional Fee: 69.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
44B4	Var	7:00AM-1:00PM	DAILY	04/01/19-06/18/19	SHC118	Joy, Earl	

AMT 212 ADVANCED ROTOR SYSTEMS MAINTENANCE AND REPAIR

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

Additional Fee: 69.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
44C4	Var	7:00AM-1:00PM	DAILY	04/01/19-06/18/19	SHC118	Joy, Earl	

AMT 215 HELICOPTER SYSTEMS

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

Additional Fee: 69.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
44D4	Var	7:00AM-1:00PM	DAILY	04/01/19-06/18/19	SHC118	Joy, Earl	

AMT 224 POWERPLANT RECIPROCATING ENGINE THEORY

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

Additional Fee: 79.40

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
44F4	Var	7:00AM-1:00PM	DAILY	04/01/19-06/18/19	SHC120	Vick, Phillip	

AMT 225 POWERPLANT MAINTENANCE AND OPERATION

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

Additional Fee: 79.40

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
44G4	Var	7:00AM-1:00PM	DAILY	04/01/19-06/18/19	SHC120	Vick, Phillip	

AMT 226 ENGINE FUEL SYSTEMS AND FIRE PROTECTION

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

Additional Fee: 54.90

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
44H4	Var	7:00AM-1:00PM	DAILY	04/01/19-06/18/19	SHC120	Vick, Phillip	

AMT 228 ENGINE FUEL METERING SYSTEMS

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

Additional Fee: 74.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
44J4	Var	7:00AM-1:00PM	DAILY	04/01/19-06/18/19	SHC120	Vick, Phillip	

AVIONICS

AVIO& 102 AIRCRAFT ELECTRONIC FUNDAMENTALS

Additional Fee: 89.20

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
44K4	8 Cr	3:00PM-9:00PM	DAILY	04/01/19-06/18/19	SHC107	Cooper, Dusti	

AVIO& 103 AIRCRAFT WIRING SYSTEMS

Instructor Permission required.

Additional Fee: 69.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
44L4	4 Cr	3:00PM-9:00PM	DAILY	04/01/19-06/18/19	SHC107	Cooper, Dusti	

AVIO& 104 AIRCRAFT FIBER OPTIC SYSTEMS

Instructor Permission required.

Additional Fee: 64.70

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
44M4	3 Cr	3:00PM-9:00PM	DAILY	04/01/19-06/18/19	SHC107	Cooper, Dusti	

AVIO& 201 AIRCRAFT DIGITAL ELECTRONIC INSTRUMENT SYSTEMS

Instructor Permission required.

Additional Fee: 89.20

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
44N4	8 Cr	3:00PM-9:00PM	DAILY	04/01/19-06/18/19	SHC107	Cooper, Dusti	

AVIO& 202 AVIONICS SYSTEMS FOR AIRFRAME & POWERPLANT

Instructor Permission required.

Additional Fee: 89.20

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
44P4	8 Cr	3:00PM-9:00PM	DAILY	04/01/19-06/18/19	SHC107	Cooper, Dusti	

AVIO& 203 AVIONICS COMMUNICATIONS

Instructor Permission required.

Additional Fee: 89.20

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
44Q4	8 Cr	3:00PM-9:00PM	DAILY	04/01/19-06/18/19	SHC107	Cooper, Dusti	

AVIO& 204 PRINCIPLES OF AVIONICS TROUBLESHOOTING

Instructor Permission required.

Additional Fee: 69.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
44R4	4 Cr	3:00PM-9:00PM	DAILY	04/01/19-06/18/19	SHC107	Cooper, Dusti	

BIOLOGY

BIOL& 160 GENERAL BIOLOGY W/LAB

Provides an introduction to cellular biology for students preparing for the health professions. Major concepts include the structure, reproduction, and metabolism of cells; genetics; ecological perspectives; and evolutionary biology. Prerequisite(s): Minimum Accuplacer reading/writing combined score of 277 or equivalent or successful completion of ENG 094.

Additional Fee: 54.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
0503	Var	ARRANGED	ARRANGED	04/01/19-06/18/19	21 235	Noffke, Wendy	HYBRID
0504	Var	10:00AM-12:00PM	WF	04/03/19-06/12/19	21 235	Noffke, Wendy	HYBRID

BIOL& 175 HUMAN BIOLOGY W/LAB

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

Additional Fee: 54.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
0506	5 Cr	ARRANGED	ARRANGED	04/01/19-06/18/19	21 231	Noffke, Wendy	HYBRID
0505	Var	10:00AM-12:00PM	TTh	04/02/19-06/18/19	21 231	Noffke, Wendy	HYBRID

BIOL& 241 HUMAN ANATOMY AND PHYSIOLOGY I

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

Additional Fee: 30.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
0507	Var	8:00AM-10:50AM	MW	04/01/19-06/18/19	21 231	Galbreath, Ch	HYBRID
0508	5 Cr	3:00PM-5:50PM	MW	04/01/19-06/18/19	21 231	Schwartz, Jes	HYBRID

BIOL& 242 HUMAN ANATOMY AND PHYSIOLOGY II

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

Additional Fee: 30.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
0509	5 Cr	11:00AM-1:50PM	MW	04/01/19-06/18/19	21 231	Galbreath, Ch	HYBRID
0510	5 Cr	3:00PM-5:50PM	TTh	04/01/19-06/18/19	21 231	Schwartz, Jes	HYBRID

BIOL& 260 MICROBIOLOGY

Provides students with the content of diversity, structure, and physiology of beneficial and harmful microbes. Laboratory practice in identification of microbial species through culturing, staining, and biochemical testing. Prerequisite(s): Successful completion of BIOL& 160 with a grade of 2.0 or better and CHEM& 110 with a grade of 2.0 or better.

Additional Fee: 30.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
0511	Var	ARRANGED	ARRANGED	04/01/19-06/18/19	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: 109.70

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
8304	Var	8:00AM-1:30PM	MTWTh	04/01/19-04/18/19	21 107	Griffin, Chri	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>
8314	Var	8:00AM-1:30PM	MTWTh	04/01/19-05/02/19	21 107	Griffin, Chri	ENHANCED

MMN 111 MICROBIOLOGY / INFECTION CONTROL

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

Additional Fee: 14.70

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
8324	Var	8:00AM-1:30PM	MTWTh	05/06/19-05/23/19	21 107	Griffin, Chri	ENHANCED

MMN 124 SURGICAL INSTRUMENTATION

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

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
8334	Var	8:00AM-1:30PM	MTWTh	05/28/19-06/18/19	21 107	Griffin, Chri	ENHANCED

MMN 213 CLINICAL INTERNSHIP I

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

Additional Fee: 14.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
8344	6 Cr	ARRANGED	DAILY	04/01/19-05/03/19	21 ARR	Griffin, Chri	

MMN 215 CLINICAL INTERNSHIP II

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

Additional Fee: 14.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
8354	6 Cr	ARRANGED	DAILY	05/06/19-06/18/19	21 ARR	Griffin, Chri	

CHEMISTRY

CHEM& 110 CHEMICAL CONCEPTS W/LAB

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

Additional Fee: 33.80

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
0512	Var	ARRANGED	ARRANGED	04/01/19-06/18/19	15 105	Keenan, Leo	HYBRID
0513	Var	9:00AM-12:00PM	Sa	04/01/19-06/15/19	15 105	Keenan, Leo	HYBRID

CHEM& 121 INTRODUCTION TO CHEMISTRY

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

Additional Fee: 33.80

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
0514	5 Cr	12:00PM-1:20PM	MW	04/01/19-06/18/19	15 105	Keenan, Leo	HYBRID

CHEM& 131 INTRODUCTION TO ORGANIC/BIOCHEMISTRY

This course is a survey of organic and biochemistry. The following topics are covered: Nomenclature of organic matter, alcohols, alkenes, organic acids and bases, amines & amides, carbohydrates, proteins, enzymes, nucleic acids, and metabolic pathways.

Additional Fee: 33.80

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
0515	5 Cr	11:30AM-1:00PM	F	04/01/19-06/14/19	15 105	Keenan, Leo	HYBRID

COLLEGE SUCCESS FOR ALL

COLL 102 COLLEGE SUCCESS FOR ALL

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

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>
2P04	3 Cr	7:00AM-7:50AM	TWTh	04/01/19-06/18/19	14 102	Van Beek, Car	HYBRID
2P14	3 Cr	8:00AM-8:50AM	TWTh	04/01/19-06/18/19	03 205	Watts, Bryant	HYBRID
2P24	3 Cr	8:00AM-8:50AM	TWTh	04/01/19-06/18/19	14 102	Mcgovern, Tly	HYBRID
2P34	3 Cr	9:00AM-9:50AM	TWTh	04/01/19-06/18/19	17 230	Phillips, Hal	HYBRID
2P44	3 Cr	9:00AM-9:50AM	TWTh	04/01/19-06/18/19	16 116	Mollas, Tula	HYBRID
2P54	3 Cr	10:00AM-10:50AM	TWTh	04/01/19-06/18/19	16 113	Salave'a, Eli	HYBRID
2P64	3 Cr	10:00AM-10:50AM	TWTh	04/01/19-06/18/19	17 230	Phillips, Hal	HYBRID
2P74	3 Cr	11:00AM-11:50AM	TWTh	04/01/19-06/18/19	17 230	Vano, Jennie	HYBRID
2P84	3 Cr	11:00AM-11:50AM	TWTh	04/01/19-06/18/19	16 205	Salave'a, Eli	HYBRID
2P94	3 Cr	12:00PM-12:50PM	TWTh	04/01/19-06/18/19	17 240	Crouchet, Cri	HYBRID
2PA4	3 Cr	1:00PM-1:50PM	TWTh	04/01/19-06/18/19	17 230	Phillips, Hal	HYBRID
2PB4	3 Cr	2:00PM-2:50PM	TWTh	04/01/19-06/18/19	16 113	Salave'a, Eli	HYBRID
2PC4	3 Cr	3:00PM-3:50PM	TWTh	04/01/19-06/18/19	17 240	Dana, Samanth	HYBRID
2PD4	3 Cr	4:00PM-4:50PM	MTW	04/01/19-06/18/19	15 112	Davis, Jane	HYBRID
2PF4	3 Cr	2:00PM-3:50PM	Th	04/01/19-06/18/19	17 230	Phillips, Hal	HYBRID
2PG4	3 Cr	1:00PM-2:50PM	W	04/01/19-06/18/19	SHC116	Phillips, Hal	HYBRID
2PH4	3 Cr	9:00AM-12:00PM	Sa	04/06/19-06/15/19	15 112	Perkins, Petr	HYBRID

COMPUTER APPLICATIONS

CAS 105 KEYBOARDING

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

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
5704	3 Cr	ARRANGED		ARRANGED 04/01/19-06/18/19	ON LINE	Reygers, Ryan	ONLINE

CAS 115 INTRODUCTION TO COMPUTING

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

Additional Fee: 14.70

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
2004	3 Cr	9:00AM-9:50AM	MTW	04/01/19-06/18/19	11 112	Carey, Jessi	HYBRID

CAS 121 WORD I

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

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>
2014	Var	11:00AM-11:50AM	MW	04/02/19-06/18/19	11 112	Ruby, Michael	HYBRID

CAS 130 EXCEL I

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

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
2024	Var	ARRANGED		ARRANGED 04/01/19-06/18/19	ON LINE	Perkins, Petr	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>
2054	3 Cr	ARRANGED		ARRANGED 04/01/19-06/18/19	ON LINE	Cooke, Suzann	ONLINE

CAS 141 POWERPOINT

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

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
2034	Var	ARRANGED		ARRANGED 04/01/19-06/18/19	ON LINE	Pastori, Fran	ONLINE

CAS 145 PUBLISHER

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

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
2044	5 Cr	ARRANGED		ARRANGED 04/01/19-06/18/19	ON LINE	Carey, Jessi	ONLINE

COMPUTER PROGRAMMING

CPW 101 PROGRAMMING FUNDAMENTALS

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

Additional Fee: 24.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
5404	Var	1:00PM-4:00PM	MW	04/01/19-06/17/19	11 111W	Meerdink, Ken	ENHANCED

CPW 116 .NET PROGRAMMING

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

Additional Fee: 24.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
5464	5 Cr	9:00AM-12:00PM	TTh	04/02/19-06/18/19	11 111E	Ortiz, Joseph	HYBRID

CPW 118 WEB DESIGN PRINCIPLES

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

Additional Fee: 24.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
5444	Var	9:00AM-12:00PM	F	04/05/19-06/14/19	11 111E	Ortiz, Joseph	HYBRID

CPW 143 JAVA OBJECT-ORIENTED PROGRAMMING II

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

Additional Fee: 24.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
5414	5 Cr	9:00AM-12:00PM	MW	04/01/19-06/17/19	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>
5454	Var	9:00AM-12:00PM	MW	04/01/19-06/17/19	11 111E	Ortiz, Joseph	HYBRID

CPW 203 ADVANCED JAVASCRIPT

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

Additional Fee: 24.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
5474	5 Cr	1:00PM-4:00PM	TTh	04/02/19-06/18/19	11 111E	Ortiz, Joseph	HYBRID

CPW 213 .NET WEB PROGRAMMING

Earn professional experience in analyzing, designing, and developing dynamic, data-driven, commercial web applications using Microsoft ASP.NET. Gain a solid foundation in web development covering topics from state management, security, using various data stores, working with forms, and more. Prerequisite(s): Successful completion of CPW 116 and CPW 203. Prerequisite or Co-requisite: CPW 212.

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>
5494	Var	ARRANGED	ARRANGED	04/01/19-06/18/19	ARR	Ortiz, Joseph	

CPW 215 ADV .NET WEB PROGRAMMING

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

Additional Fee: 24.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
5484	5 Cr	1:00PM-4:00PM	MW	04/01/19-06/17/19	11 111E	Ortiz, Joseph	HYBRID

CPW 240 PROGRAMMING PRACTICUM

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

Additional Fee: 24.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
5424	5 Cr	9:00AM-12:00PM	TTh	04/02/19-06/18/19	11 111W	Meerdink, Ken	HYBRID

CPW 252 PHONE PROGRAMMING

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

Additional Fee: 24.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
5434	5 Cr	1:00PM-4:00PM	TTh	04/02/19-06/18/19	11 111W	Meerdink, Ken	ENHANCED

COMPUTER NETWORKING AND INFORMATION SYSTEMS SECURITY (CNISS)

NSS 101 IT ESSENTIALS I

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

Additional Fee: 76.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4704	5 Cr	8:00AM-3:00PM	MWF	04/01/19-05/10/19	16 107	Morris, Cath	ENHANCED

NSS 105 IT ESSENTIALS II

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

Additional Fee: 71.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4714	4 Cr	8:00AM-3:00PM	MWF	05/13/19-06/17/19	16 107	Morris, Cath	ENHANCED

NSS 109 CISCO NETWORKING I

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

Additional Fee: 76.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4724	5 Cr	12:00PM-3:00PM	TTh	04/02/19-06/18/19	16 209	Souza, Donal	ENHANCED

NSS 120 MS DESKTOP SUPPORT I

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

Additional Fee: 76.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4734	5 Cr	8:00AM-3:00PM	MWF	04/03/19-05/03/19	16 207	Lanphier, Jay	ENHANCED

NSS 125 MS DESKTOP SUPPORT II

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

Additional Fee: 71.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4744	4 Cr	8:00AM-3:00PM	MWF	05/06/19-06/17/19	16 207	Lanphier, Jay	ENHANCED

NSS 127 SCRIPTING FOR NETWORK ADMINS

This introductory scripting course is designed to provide students with the fundamental knowledge and

skills to use scripting to automate administrative tasks commonly used by system administrators.

Additional Fee: 71.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
47X4	4 Cr	12:00PM-2:00PM	TTh	04/02/19-06/18/19	16 107	Morris, Cath	ENHANCED

NSS 135 IMPLEMENTING SYSTEM SECURITY

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

Additional Fee: 71.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4754	4 Cr	12:00PM-3:00PM	TTh	04/02/19-06/18/19	16 111	Hollowell, Ke	ENHANCED

NSS 139 SERVER OS INSTALLATION AND CONFIGURATION

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

Additional Fee: 71.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4764	4 Cr	8:00AM-11:00AM	TTh	04/02/19-06/18/19	16 109	Souza, Donal	ENHANCED

NSS 141 DIGITAL FORENSICS

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

Additional Fee: 76.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4774	5 Cr	8:00AM-11:00AM	TTh	04/02/19-06/18/19	16 207	Lanphier, Jay	ENHANCED

NSS 145 SERVER SECURITY

Additional Fee: 71.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4784	4 Cr	12:00PM-3:00PM	TTh	04/02/19-06/18/19	16 207	Lanphier, Jay	ENHANCED

NSS 156 CYBER SECURITY FUNDAMENTALS

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

Additional Fee: 71.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4794	4 Cr	8:00AM-11:00AM	TTh	04/02/19-06/18/19	16 107	Morris, Cath	ENHANCED

NSS 160 INTRODUCTION TO LINUX

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

Additional Fee: 76.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
47B4	5 Cr	12:00PM-3:00PM	MWF	04/01/19-06/17/19	16 111	Hollowell, Ke	ENHANCED

NSS 161 ADMINISTERING WINDOWS SERVER OS

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

Additional Fee: 71.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
47C4	4 Cr	8:00AM-11:00AM	MWF	04/01/19-06/17/19	16 209	Souza, Donal	ENHANCED

NSS 164 VIRTUALIZATION AND CLOUD TECHNOLOGIES

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

Additional Fee: 71.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
47D4	4 Cr	8:00AM-10:30AM	TTh	04/02/19-06/18/19	16 111	Hollowell, Ke	ENHANCED

NSS 180 INTERNSHIP I

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

Additional Fee: 61.80

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
47F4	2 Cr	ARRANGED	ARRANGED	04/01/19-06/18/19	16 112	Randall Jody	ENHANCED

NSS 201 ADVANCED LINUX

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

Additional Fee: 76.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
47G4	5 Cr	8:00AM-11:00AM	MWF	04/01/19-06/17/19	16 111	Hollowell, Ke	ENHANCED

NSS 206 ADVANCED WINDOWS SERVER CONFIGURATION

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

Additional Fee: 76.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
47H4	5 Cr	12:00PM-3:00PM	MWF	04/01/19-06/17/19	16 109	Souza, Donal	ENHANCED

NSS 250 INTERNSHIP II

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

Additional Fee: 61.80

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
47J4	2 Cr	ARRANGED	ARRANGED	04/01/19-06/18/19	16 112	Randall Jody	ENHANCED

NSSB 203 PENETRATION TESTING SECURITY AND ANALYSIS

Introduces the history of hacking, its various forms, and examples of the latest attacks, tools, and techniques employed by today's hackers. Includes countermeasures that help illustrate how to protect against these devastating maneuvers. Prerequisite(s): Successful completion of NSS 135.

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>
47K4	5 Cr	8:00AM-11:00AM	MTWTh	04/01/19-05/08/19	16 112	Randall Jody	

NSSB 210 NSSB SECURITY LEARNING LAB I

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

Additional Fee: 66.70

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
47L4	3 Cr	8:00AM-11:00AM	F	04/05/19-06/14/19	16 112	Randall Jody	

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>
47M4	4 Cr	12:00PM-3:00PM	MTWTh	04/01/19-05/08/19	16 112	Randall Jody	

NSSB 220 SECURITY LAB II

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

Additional Fee: 66.70

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
47N4	3 Cr	12:00PM-3:00PM	F	04/05/19-06/14/19	16 112	Randall Jody	

NSSB 232 INVESTIGATION & RESPONSE

Analyze the risks involved and determine what level of security is needed to operate a website. Topics include how to protect a web setup from intrusion, sabotage, eavesdropping, and tampering, and view the website with existing tools and techniques of hackers. Develop a secure website plan to select, secure,

configure, and set up firewalls, as well as secure an extended and distributed enterprise network or Virtual Private Network.

Additional Fee: 76.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
47P4	5 Cr	8:00AM-11:00AM	MTWTh	05/09/19-06/18/19	16 112	Randall Jody	

NSSB 246 SCRIPTING FOR PENETRATION TESTERS

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

Additional Fee: 76.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
47Q4	5 Cr	12:00PM-3:00PM	MTWTh	05/09/19-06/18/19	16 112	Randall Jody	

NSSC 201 CISCO NETWORKING II

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

Additional Fee: 76.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
47R4	5 Cr	8:00AM-11:00AM	MWF	04/01/19-05/03/19	16 209	Turner, Jeffr	ENHANCED

NSSC 203 CISCO NETWORKING III

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

Additional Fee: 76.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
47S4	5 Cr	8:00AM-11:00AM	MWF	05/06/19-06/17/19	16 209	Turner, Jeffr	ENHANCED

NSSC 205 CISCO NETWORKING IV

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

Additional Fee: 76.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
47U4	5 Cr	8:00AM-11:00AM	TThF	04/02/19-04/30/19	16 209	Turner, Jeffr	ENHANCED

NSSC 207 CISCO LEARNING LAB I

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

Additional Fee: 66.70

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
47T4	3 Cr	12:00PM-3:00PM	MWF	04/01/19-06/17/19	16 209	Turner, Jeffr	

NSSC 208 MANAGING NETWORK SECURITY

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

Additional Fee: 76.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
47V4	5 Cr	8:00AM-11:00AM	TThF	05/02/19-06/18/19	16 209	Turner, Jeffr	ENHANCED

NSSC 210 CISCO LEARNING LAB II

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

Additional Fee: 66.70

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
47W4	3 Cr	12:00PM-3:00PM	TThF	04/02/19-06/18/19	16 209	Turner, Jeffr	

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>
2204	3 Cr	8:00AM-2:30PM	DAILY	04/01/19-06/18/19	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>
2214	5 Cr	8:00AM-2:30PM	DAILY	04/01/19-06/18/19	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>
2224	6 Cr	8:00AM-2:30PM	DAILY	04/01/19-06/18/19	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>
2234	4 Cr	8:00AM-2:30PM	DAILY	04/01/19-06/18/19	05 100	Quinlan, Jame	

CONST 126 ROOFING MATERIALS & INSTALLATION

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

Additional Fee: 32.25

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
2244	3 Cr	8:00AM-2:30PM	DAILY	04/01/19-06/18/19	05 100	Quinlan, Jame	

CONST 134 EXTERIOR FINISH

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

Additional Fee: 32.25

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
2254	3 Cr	8:00AM-2:30PM	DAILY	04/01/19-06/18/19	05 100	Quinlan, Jame	

CONST 139 INTERIOR FINISH I

Additional Fee: 32.25

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
2264	5 Cr	8:00AM-2:30PM	DAILY	04/01/19-06/18/19	05 100	Quinlan, Jame	

CONSTRUCTION - SUSTAINABLE BUILDING SCIENCE

SBS 107 SUSTAINABLE BUILDING BASICS

Additional Fee: 32.25

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
2274	4 Cr	8:00AM-2:30PM	DAILY	04/01/19-06/18/19	05 100	Quinlan, Jame	

SBS 121 SURVEY OF ENERGY RATINGS

Additional Fee: 32.25

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
22C4	Var	8:00AM-2:30PM	DAILY	04/01/19-06/18/19	05 100	Quinlan, Jame	

SBS 130 ALTERNATIVE ENERGY SYSTEMS

Additional Fee: 32.25

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
22D4	Var	8:00AM-2:30PM	DAILY	04/01/19-06/18/19	05 100	Quinlan, Jame	

SBS 142 BUILDING ENVELOPE

Additional Fee: 32.25

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
2294	4 Cr	8:00AM-2:30PM	DAILY	04/01/19-06/18/19	05 100	Quinlan, Jame	

SBS 150 MOISTURE MITIGATION

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

Additional Fee: 32.25

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
2284	3 Cr	8:00AM-2:30PM	DAILY	04/01/19-06/18/19	05 100	Quinlan, Jame	

SBS 174 BASIC DIAGNOSTICS & TESTING

Additional Fee: 32.25

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
22A4	4 Cr	8:00AM-2:30PM	DAILY	04/01/19-06/18/19	05 100	Quinlan, Jame	

SBS 185 SERVICE LEARNING PROJECT

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

Additional Fee: 32.25

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
22B4	3 Cr	8:00AM-2:30PM	DAILY	04/01/19-06/18/19	05 100	Quinlan, Jame	

CORE ALLIED HEALTH

CAH 102 MEDICAL TERMINOLOGY

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

Additional Fee: 24.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
3004	5 Cr	8:00AM-8:50AM	DAILY	04/01/19-06/18/19	21 109	Freyre, Marie	
3014	5 Cr	ARRANGED	ARRANGED	04/01/19-06/18/19	ON LINE	Freyre, Marie	ONLINE
3024	5 Cr	ARRANGED	ARRANGED	04/01/19-06/18/19	ON LINE	Scott, Patric	ONLINE
3034	5 Cr	ARRANGED	ARRANGED	04/01/19-06/18/19	ON LINE	Freyre, Marie	ONLINE

CAH 105 COMPUTER APPLICATIONS

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

Additional Fee: 24.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
3044	5 Cr	10:00AM-10:50AM	MWTh	04/01/19-06/17/19	21 106	Mandley, L	HYBRID
3054	5 Cr	11:00AM-11:50AM	MWTh	04/01/19-06/17/19	21 106	Mandley, L	HYBRID
3064	Var	ARRANGED	ARRANGED	04/01/19-06/18/19	ON LINE	Mandley, L	ONLINE
3074	5 Cr	2:30PM-5:00PM	MW	04/01/19-06/17/19	21 106	Mandley, L	HYBRID

COSMETOLOGY

COSMO 111 SALON ECOLOGY

Presents the concepts of microbiology, infection control, first aid, and safety. It is the foundation for safe infection control practices and procedures, including proper disinfecting of tools and work stations, safe

handling of chemicals to protect stylist and client, and first aid in case of cuts or minor chemical burns or irritation. Topics include safe handling of tools, proper dispensing of chemicals, and how to prevent the spread of bacteria in a school, clinic, or salon atmosphere. Salon Ecology presents the concepts of microbiology, infection control, first aid, and safety. It is the foundation for safe infection control practices and procedures, including proper disinfecting of tools and work stations, safe handling of chemicals to protect stylist and client, and first aid in case of cuts or minor chemical burns or irritation. Topics include safe handling of tools, proper dispensing of chemicals, and how to prevent the spread of bacteria in a school, clinic, or salon atmosphere. ""

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
5204	3 Cr	8:30AM-4:00PM	MTWTh	04/01/19-04/04/19	WCC128	Frink, Barb	

COSMO 112 INFECTION CONTROL PRINCIPLES AND PRACTICES

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

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
5304	Var	7:30AM-3:00PM	TWThF	04/02/19-04/04/19	08 207	Chiaro, Loree	HYBRID

COSMO 113 TRICHOLOGY

Trichology includes concepts of hair theory, hair care and draping, shampooing and scalp massage. Phases of hair growth, proper cleansing of the scalp and hair, recognition of hair and scalp disorders, parasites, and how to refer clients for medical attention are also covered in this course. Prerequisite: Successful completion of COSMO 111. ""

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
5214	6 Cr	8:30AM-4:00PM	MTWTh	04/08/19-04/22/19	WCC128	Frink, Barb	

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. Pre-req: Instructor permission required.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
5314	Var	7:30AM-3:00PM	TWThF	04/05/19-04/18/19	08 207	Chiaro, Loree	HYBRID

COSMO 119 DESIGN DECISIONS

Design decisions are an important concept in beginning a consultation with your client. Topics include client's body style and proportions, hair type, client's personality, lifestyle, all points to consider when consulting with a client for hair sculpting and design work. Use of design principles of repetition, alternation, progression, and contrast are covered to assist in understanding hair sculpting. Prerequisite: Successful completion of COSMO 113. ""

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
5224	3 Cr	8:30AM-4:00PM	MTWTh	04/23/19-04/29/19	WCC128	Frink, Barb	

COSMO 123 COSMETOLOGY FUNDAMENTALS

Study design and art principles to assist in achieving customized designs for the client. Gain skills in the art of consultation while developing professional behaviors for salon success and effective communication. Pre-req: Instructor permission required.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
5324	Var	7:30AM-3:00PM	TWThF	04/22/19-04/25/19	08 207	Chiaro, Loree	HYBRID

COSMO 134 HAIR SCULPTING

The fundamentals learned in this class assist the student in sculpting of the hair. Concepts covered are safe tool usage (including shears, taper shear, razor and clippers), areas of the head, and cutting techniques. The four basic forms of haircutting "solid, graduated, increase layer, uniform, combination are used in practice on mannequins. Prerequisite: Successful completion of COSMO 119. 1 The fundamentals of this class assist the student in sculpting of hair. Concepts covered are safe tool usage (including shears, taper shear, razor, and clippers), areas of the head, and cutting techniques. The four basic forms of haircutting, solid, graduated, increase layer, uniform, and combination, are practiced on mannequins. Prerequisite: Successful completion of COSMO 119. " 1 This course presents the three main concepts of chemical texturizing: perming, chemical relaxing, and curl reforming. It covers the theory of perming, tool use to achieve desired effect, infection control, safety and first aid, client consultation, and patterns of perming. Prerequisite: Successful completion of COSMO 166 and COSMO 247. "

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
5234	13 Cr	8:30AM-4:00PM	MTWTh	04/30/19-06/18/19	WCC128	Frink, Barb	

COSMO 136 APPLICATIONS OF HAIRCUTTING AND HAIRSTYLING

Additional Fee: 84.40

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
5334	Var	7:30AM-3:00PM	TWThF	04/26/19-06/18/19	08 207	Chiaro, Loree	HYBRID

COSMO 142 ADVANCED APPLICATIONS OF HAIRCUTTING & HAIRSTYLING

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

Additional Fee: 84.40

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
5344	4 Cr	7:30AM-3:00PM	TWThF	04/02/19-04/12/19	08 208	Mcmahill, Mel	HYBRID

COSMO 146 CHEMICAL TEXTURE SERVICE

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

Additional Fee: 84.40

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
53A4	5 Cr	7:30AM-3:00PM	TWThF	04/09/19-05/01/19	08 205	Frederick, Sa	HYBRID

COSMO 158 GENERAL SCIENCE OF HAIR COLORING

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

Additional Fee: 84.40

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
5354	7 Cr	7:30AM-3:00PM	TWThF	04/16/19-05/09/19	08 208	Mcmahill, Mel	HYBRID

COSMO 163 LAB CLINIC II

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

Additional Fee: 58.10

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
5374	9 Cr	7:30AM-3:00PM	TWThF	05/07/19-06/18/19	08 CL#1	Maguire, Patr	

COSMO 164 LAB CLINIC I

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

Additional Fee: 98.40

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
5364	8 Cr	7:30AM-3:00PM	TW	05/10/19-06/18/19	08 CL#3	Mcmahill, Mel	HYBRID

COSMO 172 LAB CLINIC III

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

Additional Fee: 63.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
53B4	10 Cr	7:30AM-3:00PM	TWThF	05/02/19-06/18/19	08 CL#2	Frederick, Sa	

COSMO 175 COSMETOLOGY SALON BUSINESS PRACTICES

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

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
53C4	3 Cr	7:30AM-3:00PM	TWThF	04/02/19-04/08/19	08 205	Frederick, Sa	HYBRID

COSMO 181 ARTIFICIAL HAIR

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

Additional Fee: 84.40

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
5384	2 Cr	7:30AM-3:00PM	TWThF	04/02/19-04/05/19	08 108	Maguire, Patr	HYBRID

COSMO 183 GENERAL STUDY OF NAILS

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

Additional Fee: 84.40

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
53P4	7 Cr	9:30AM-12:00PM	TW	04/02/19-06/18/19	02 101	Campbell, Ehr	HYBRID

COSMO 189 GENERAL SCIENCE OF SKIN

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

Additional Fee: 84.40

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
53Q4	7 Cr	12:00PM-3:00PM	TWF	04/02/19-06/18/19	02 101	Campbell, Ehr	HYBRID

COSMO 226 ADVANCED HAIR COLORING

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

Additional Fee: 84.40

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
5394	8 Cr	7:30AM-3:00PM	TWThF	04/09/19-05/03/19	08 108	Maguire, Patr	HYBRID

COSMO 229 CLOVER PARK PRACTICAL PREPARATION

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

Additional Fee: 84.40

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
53D4	4 Cr	7:30AM-3:00PM	TWThF	04/02/19-04/16/19	08 CL#4	Lind, Connie	HYBRID

COSMO 231 LAB CLINIC IV

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

Additional Fee: 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>
53F4	10 Cr	7:30AM-3:00PM	WThF	04/17/19-06/05/19	08 CL#4	Lind, Connie	

COSMO 236 STATE BOARD WRITTEN TEST REVIEW

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

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
53G4	3 Cr	7:30AM-3:00PM	T	04/17/19-04/23/19	08 205	Lind, Connie	HYBRID

COSMO 244 COSMETOLOGY CAPSTONE

Arrange a portfolio that demonstrates a culmination of all skills, concepts, and achievements that

summarize the Cosmetology or Hair Designer program under the discretion of the instructor.

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

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
53H4	3 Cr	7:30AM-3:00PM	TWThF	06/06/19-06/18/19	08 CL#4	Lind, Connie	HYBRID

COSMO 248 INDUSTRY INTERNSHIP I

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

Additional Fee: 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>
53L4	1 Cr	ARRANGED	ARRANGED	04/01/19-06/18/19	ARR	Lind, Connie	

COSMO 250 INDUSTRY INTERNSHIP II

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

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
53N4	2 Cr	ARRANGED	ARRANGED	04/01/19-06/18/19	ARR	Lind, Connie	

COSMO 252 INDUSTRY INTERNSHIP III

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

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
53R4	3 Cr	ARRANGED	ARRANGED	04/01/19-06/18/19	ARR	Lind, Connie	

COSMO 254 INDUSTRY INTERNSHIP IV

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

Additional Fee: 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>
53M4	4 Cr	ARRANGED	ARRANGED	04/01/19-06/18/19	ARR	Lind, Connie	
53S4	4 Cr	ARRANGED	ARRANGED	04/01/19-06/18/19	ARR	Lind, Connie	

COSMO 256 INDUSTRY INTERNSHIP V

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

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
5244	5 Cr	ARRANGED	MTWTh	04/01/19-06/18/19	WCC128	Frink, Barb	
53T4	5 Cr	ARRANGED	ARRANGED	04/01/19-06/18/19	ARR	Lind, Connie	

CULINARY ARTS

CUL 109 COOKING METHODS I

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

Instructor Permission required.

Additional Fee: 140.70

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
3204	7 Cr	9:00AM-1:45PM	WThF	04/03/19-06/14/19	31 100	Massey, Richa	

CUL 113 INTRODUCTION TO BAKING

Introduces culinary 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: 140.70

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
3214	3 Cr	9:00AM-2:00PM	MT	04/01/19-05/07/19	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: 175.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
3224	7 Cr	7:00AM-9:00AM	DAILY	04/01/19-06/18/19	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 the techniques and science of cooking. Topics that will be covered are pasta, potatoes and grain cookery.

Instructor Permission required.

Additional Fee: 155.40

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
3234	3 Cr	9:00AM-2:00PM	MT	05/13/19-06/18/19	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: 140.70

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
3244	7 Cr	9:00AM-1:45PM	WThF	04/03/19-06/14/19	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: 140.70

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
3254	7 Cr	9:00AM-1:45PM	WThF	04/03/19-06/14/19	31 100	Massey, Richa	

DENTAL ASSISTANT

DAS 103 GENERAL STUDIES

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

Instructor Permission required.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
7754	4 Cr	ARRANGED	ARRANGED	04/01/19-06/17/18	ON LINE	Precour, Hann	ONLINE

DAS 105 BIOMEDICAL SCIENCES

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

Instructor Permission required.

Additional Fee: 19.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
7764	4 Cr	12:00PM-2:00PM	W	04/03/19-06/13/19	21 109	Precour, Hann	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>
7774	5 Cr	12:00PM-2:00PM	TTh	04/09/19-06/17/19	21 109	Precour, Hann	HYBRID

DAS 113 DENTAL ASSISTING SKILLS I

Introduces students to the techniques that will enable them to successfully achieve the goal of proper

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

Instructor Permission required.

Additional Fee: 19.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
7784	4 Cr	2:00PM-3:00PM	Th	04/11/19-06/11/19	21 109	Precour, Hann	HYBRID

DAS 116 FOUNDATIONS OF CLINICAL DENTISTRY

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

Instructor Permission required.

Additional Fee: 19.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
7794	4 Cr	2:00PM-3:00PM	T	04/03/19-05/30/19	21 109	Precour, Hann	HYBRID

DAS 118 PRINCIPLES OF RADIOGRAPHY I

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

Instructor Permission required.

Additional Fee: 4.90

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
77A4	1 Cr	2:00PM-3:00PM	W	05/22/19-06/05/19	21 109	Precour, Hann	HYBRID

DAS 223 DENTAL SCIENCES III

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

Additional Fee: 14.70

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
7704	3 Cr	12:00PM-3:00PM	DAILY	04/02/19-06/18/19	14 107	Wirth, R	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>
7714	7 Cr	10:00AM-11:00AM	MTWTh	04/01/19-04/06/19	14 107	Wirth, R	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>
7724	8 Cr	12:00PM-3:00PM	MTWTh	04/01/19-06/18/19	14 107	Wirth, R	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>
7734	1 Cr	ARRANGED		04/01/19-06/18/19	ON LINE	Wirth, R	ONLINE

DAS 237 CLINICAL EXPERIENCE I

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

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>
7744	1 Cr	ARRANGED	ARRANGED	04/01/19-06/18/19	ARR	Wirth, R	ENHANCED

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>
77B4	4 Cr	ARRANGED	ARRANGED	04/01/19-06/18/19	ON LINE	Wirth, R	ONLINE

DBOA 111 DENTAL CHARTING, SCHEDULING & RECALL MANAGEMENT

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

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
77C4	5 Cr	ARRANGED	ARRANGED	04/01/19-06/18/19	ON LINE	Wirth, R	ONLINE

DBOA 119 DENTAL DOCUMENTS AND INVENTORY SYSTEMS

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

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
77D4	4 Cr	ARRANGED	ARRANGED	04/01/19-06/18/19	ON LINE	Wirth, R	ONLINE

DBOA 135 DENTRIX ADVANCED TRAINING

Provides expanded Dentrrix software skills to students with basic Dentrrix 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 Dentrrix 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 Dentrrix 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>
77F4	2 Cr	ARRANGED	ARRANGED	04/01/19-06/18/19	ON LINE	Wirth, R	ONLINE

DIGITAL ENTERTAINMENT DESIGN AND PRODUCTION

DED 102 GENRE STUDIES

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

Additional Fee: 39.70

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
9004	3 Cr	1:00PM-6:00PM	F	04/05/19-06/14/19	11 142	Felch, Chris	HYBRID

DED 104 GENERAL ART

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

Additional Fee: 44.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
9014	4 Cr	1:00PM-7:00PM	M	04/01/19-06/17/19	11 142	Geary, Shawn	HYBRID

DED 106 DIGITAL ART I

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

Additional Fee: 44.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
9024	4 Cr	1:00PM-6:00PM	Th	04/04/19-06/13/19	11 107	Geary, Shawn	HYBRID

DED 108 SCREEN WRITING

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

Additional Fee: 39.70

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
9034	3 Cr	1:00PM-5:00PM	W	04/03/19-06/12/19	11 142	Felch, Chris	HYBRID

DED 110 DIGITAL PHOTOGRAPHY I

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

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
901T	4 Cr	0:M-0:M		00/00/00-00/00/00		Dual Credit	

DED 120 DIGITAL PHOTOGRAPHY II

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

Additional Fee: 44.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
9044	Var	1:00PM-6:00PM	Th	04/04/19-06/13/19	11 142	Felch, Chris	HYBRID

DED 125 DIGITAL VIDEO I

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

Additional Fee: 44.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
9054	4 Cr	1:00PM-6:00PM	T	04/02/19-06/18/19	11 142	Geary, Shawn	HYBRID

DED 127 ADVANCED MEDIA CREATION

Exploring the high-level decisions made in the creation of various forms of digital entertainment. Introduces the concepts and practices associated with how written word is translated into visual language. Students will explore how their chosen mediums are a reflection of the world we live in and vice versa. During this course students will have the opportunity to learn the art and theory behind films and games, including how various design decisions are used to affect the audience. Prerequisite(s): Successful completion of DED 127 or DED 102, DED 145, DED 140, and DED 152.

Additional Fee: 44.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
9084	4 Cr	10:30AM-1:00PM	WTh	04/03/19-06/13/19	11 107	Felch, Chris	HYBRID

DED 138 ADVANCED DEVELOPMENT TOOLS

Students will develop projects using the industry tools of their medium. Students will choose between using the advanced software of their medium to create professional grade projects to use in a personal portfolio showcasing their talents and skills. Prerequisite(s): Successful completion of DED 125 and DED 152.

Additional Fee: 44.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
9094	4 Cr	10:30AM-1:00PM	MT	04/01/19-06/18/19	11 107	Felch, Chris	HYBRID

DED 145 DIGITAL EDITING

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

multi-track audio, transitions, and simple effects.

Additional Fee: 44.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
9064	4 Cr	1:00PM-6:00PM	W	04/03/19-06/12/19	11 107	Geary, Shawn	HYBRID

DED 150 3D MODELING I

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

Additional Fee: 44.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
9074	4 Cr	1:00PM-6:00PM	M	04/01/19-06/17/19	11 107	Felch, Chris	HYBRID

DED 170 3D MODELING III

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

Additional Fee: 44.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
90A4	4 Cr	1:00PM-6:00PM	T	04/02/19-06/18/19	11 107	Felch, Chris	HYBRID

DED 174 3D ANIMATION

Introduces the methods and techniques of animating virtual objects and environments using 3D Studio Max. Students will bring life to 3D Models with basic animation techniques using and combining modifiers to control the animation. They will explore the features, such as key frames, track view, function curves, animation constraints, and controllers. Prerequisite(s): Successful completion of DED 158.

Additional Fee: 44.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
90B4	4 Cr	1:00PM-6:00PM	F	04/05/19-06/14/19	11 107	Geary, Shawn	HYBRID

DED 183 INTERACTIVITY GUIDANCE

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

Additional Fee: 39.70

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
90C4	3 Cr	10:30AM-1:00PM	F	04/05/19-06/14/19	11 107	Felch, Chris	HYBRID

EARLY CARE AND EDUCATION

ECE 190 PRACTICUM 4: GREEN

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

Additional Fee: 23.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4194	3 Cr	5:00PM-6:00PM	M	04/08/19-06/17/19	10 111	Colombini, Li	

ECE 194 PRACTICUM 4: THE EMOTIONALLY INTELLIGENT CHILD

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

Additional Fee: 23.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
41A4	3 Cr	5:00PM-6:00PM	M	04/08/19-06/17/19	10 111	Colombini, Li	

ECE 198 PRACTICUM 4: WORKING WITH FAMILIES

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

Additional Fee: 23.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
41B4	3 Cr	5:00PM-6:00PM	M	04/08/19-06/17/19	10 111	Colombini, Li	

ECE 219 PRACTICUM 4: RESPONSIVE CAREGIVING FOR INFANTS

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

Additional Fee: 23.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
41C4	3 Cr	5:00PM-6:00PM	M	04/08/19-06/17/19	10 111	Colombini, Li	

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>
4174	2 Cr	6:15PM-7:15PM	M	04/08/19-06/17/19	10 205	Colombini, Li	

ECED& 100 BASIC CHILD CARE TRAINING (STARS)

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

Additional Fee: 9.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4104	3 Cr	9:30AM-12:30PM	Sa	04/06/19-06/15/19	10 111	Holland-Oher	HYBRID
410Z	3 Cr	ARRANGED	ARRANGED	04/08/19-06/18/19	ON LINE	Felch, Linda	ONLINE
4114	3 Cr	ARRANGED	ARRANGED	04/08/19-06/17/19	ON LINE	Felch, Linda	ONLINE

ECED& 120 PRACTICUM: NURTURING RELATIONSHIPS

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

Additional Fee: 6.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
41N4	2 Cr	5:00PM-6:00PM	M	04/08/19-06/17/19	10 111	Colombini, Li	

ECED& 170 ENVIRONMENTS FOR YOUNG CHILDREN

Design, evaluate and improve indoor and outdoor environments that ensure quality learning and nurturing experiences and optimize the development of young children.

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>
4164	Var	5:30PM-8:30PM	Th	04/04/19-06/06/19	10 111	Chase-Deitri	

ECED& 180 LANGUAGE AND LITERACY DEVELOPMENT

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

Additional Fee: 9.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4154	Var	6:15PM-9:30PM	M	04/08/19-06/17/19	10 111	Felch, Linda	HYBRID

ECED& 190 OBSERVATION AND ASSESSMENT

Collect and record observation and assessment data in order to plan for and support the child, the family, the group, and the community. Practice reflection techniques, summarizing conclusions and communicating findings.

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>
41L4	Var	6:00PM-9:15PM	T	04/02/19-06/04/19	10 111	Havens, Amber	

ECS 100C SPECIAL TOPICS - WINTER

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
1301	Var	ARRANGED	ARRANGED	04/01/19-06/18/19	OFFCAMP	Holland-Oher	
1302	Var	ARRANGED	ARRANGED	04/01/19-06/18/19	OFFCAMP	Chase-Deitri	
1303	Var	ARRANGED	ARRANGED	04/01/19-06/18/19	OFFCAMP	Holland-Oher	
1304	Var	ARRANGED	ARRANGED	04/01/19-06/18/19	OFFCAMP	Chase-Deitri	
1305	Var	ARRANGED	ARRANGED	04/01/19-06/18/19	OFFCAMP	Colombini, Li	
1306	Var	ARRANGED	ARRANGED	04/01/19-06/18/19	OFFCAMP	Holland-Oher	
1307	Var	ARRANGED	ARRANGED	04/01/19-06/18/19	OFFCAMP	Colombini, Li	
1309	Var	ARRANGED	ARRANGED	04/01/19-06/18/19	OFFCAMP	Felch, Linda	
1310	Var	ARRANGED	ARRANGED	04/01/19-06/18/19	OFFCAMP	Felch, Linda	
1311	Var	ARRANGED	ARRANGED	04/01/19-06/18/19	OFFCAMP	Felch, Linda	
1312	Var	ARRANGED	ARRANGED	04/01/19-06/18/19	OFFCAMP	Holland-Oher	
1313	Var	ARRANGED	ARRANGED	04/01/19-06/18/19	OFFCAMP	Edmondson, Re	
1315	Var	ARRANGED	ARRANGED	04/01/19-06/18/19	OFFCAMP	Holland-Oher	
1316	Var	ARRANGED	ARRANGED	04/01/19-06/18/19	OFFCAMP	Felch, Linda	
1317	Var	ARRANGED	ARRANGED	04/01/19-06/18/19	OFFCAMP	Chase-Deitri	
1319	Var	ARRANGED	ARRANGED	04/01/19-06/18/19	OFFCAMP	Felch, Linda	
1321	Var	ARRANGED	ARRANGED	04/01/19-06/18/19	OFFCAMP	Staff	
1322	Var	ARRANGED	ARRANGED	04/01/19-06/18/19	OFFCAMP	Colombini, Li	

1323	Var	ARRANGED	ARRANGED 04/01/19-06/18/19 OFFCAMP Edmondson, Re
1328	Var	ARRANGED	ARRANGED 04/01/19-06/18/19 OFFCAMP Colombini, Li
1330	Var	ARRANGED	ARRANGED 04/01/19-06/18/19 OFFCAMP Holland-Oher
1332	Var	ARRANGED	ARRANGED 04/01/19-06/18/19 OFFCAMP Felch, Linda
1333	Var	ARRANGED	ARRANGED 04/01/19-06/18/19 OFFCAMP Holland-Oher
1334	Var	ARRANGED	ARRANGED 04/01/19-06/18/19 OFFCAMP Edmondson, Re
1340	Var	ARRANGED	ARRANGED 04/01/19-06/18/19 OFFCAMP Holland-Oher
1341	Var	ARRANGED	ARRANGED 04/01/19-06/18/19 OFFCAMP Chase-Deitri
1342	Var	ARRANGED	ARRANGED 04/01/19-06/18/19 OFFCAMP Holland-Oher
1346	Var	ARRANGED	ARRANGED 04/01/19-06/18/19 OFFCAMP Holland-Oher
1355	Var	ARRANGED	ARRANGED 04/01/19-06/18/19 OFFCAMP Edmondson, Re
1356	Var	ARRANGED	ARRANGED 04/01/19-06/18/19 OFFCAMP Holland-Oher
1360	Var	ARRANGED	ARRANGED 04/01/19-06/18/19 OFFCAMP Edmondson, Re
1362	Var	ARRANGED	ARRANGED 04/01/19-06/18/19 OFFCAMP Holland-Oher
1366	Var	ARRANGED	ARRANGED 04/01/19-06/18/19 OFFCAMP Chase-Deitri
1369	Var	ARRANGED	ARRANGED 04/01/19-06/18/19 OFFCAMP Chase-Deitri
1370	Var	ARRANGED	ARRANGED 04/01/19-06/18/19 OFFCAMP Staff
1375	Var	ARRANGED	ARRANGED 04/01/19-06/18/19 OFFCAMP Felch, Linda
1376	Var	ARRANGED	ARRANGED 04/01/19-06/18/19 OFFCAMP Chase-Deitri
1377	Var	ARRANGED	ARRANGED 04/01/19-06/18/19 OFFCAMP Felch, Linda
1382	Var	ARRANGED	ARRANGED 04/01/19-06/18/19 OFFCAMP Chase-Deitri
1383	Var	ARRANGED	ARRANGED 04/01/19-06/18/19 OFFCAMP Colombini, Li
1384	Var	ARRANGED	ARRANGED 04/01/19-06/18/19 OFFCAMP Edmondson, Re
1388	Var	ARRANGED	ARRANGED 04/01/19-06/18/19 OFFCAMP Edmondson, Re
1389	Var	ARRANGED	ARRANGED 04/01/19-06/18/19 OFFCAMP Edmondson, Re
1390	Var	ARRANGED	ARRANGED 04/01/19-06/18/19 OFFCAMP Edmondson, Re
1393	Var	ARRANGED	ARRANGED 04/01/19-06/18/19 OFFCAMP Edmondson, Re
1394	Var	ARRANGED	ARRANGED 04/01/19-06/18/19 OFFCAMP Edmondson, Re
1398	Var	ARRANGED	ARRANGED 04/01/19-06/18/19 OFFCAMP Felch, Linda

ECS 160 JOB SEARCH STRATEGIES

Explore the different aspects of the early childhood curriculum in creative art, music, movement, and creativity.

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>
4124	5 Cr	6:00PM-10:00PM	W	04/03/19-06/12/19	14 208	Colombini, Li	HYBRID

ECS 183 PRACTICUM III

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

Additional Fee: 29.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4134	5 Cr	4:00PM-5:00PM	M	04/08/19-06/17/19	10 111	Colombini, Li	

ECS 217 PRACTICUM IV INFANTS AND TODDLERS

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

Additional Fee: 23.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
41D4	3 Cr	5:00PM-6:00PM	M	04/08/19-06/17/19	10 111	Colombini, Li	

ECS 220 CURRICULUM FOR SCHOOL AGE

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

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
41M4	2 Cr	ARRANGED	ARRANGED	04/22/19-06/17/19	ON LINE	Felch, Linda	ONLINE

ECS 230 PRACTICUM IV SCHOOL AGE

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

Additional Fee: 23.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
41F4	3 Cr	5:00PM-6:00PM	M	04/08/19-06/17/19	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>
4184	2 Cr	5:00PM-6:00PM	M	04/08/19-06/17/19	10 111	Colombini, Li	

ECS 260 CURRICULUM FOR FAMILY CHILD CARE

A focus on developmentally appropriate curriculum for children in family child care settings with multiple ages.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
41P4	2 Cr	ARRANGED	M	04/22/19-06/17/19	ON LINE	Havens, Amber	ONLINE

ECS 286 PRACTICUM IV - LEADERSHIP

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

Additional Fee: 23.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
41G4	3 Cr	5:00PM-6:00PM	M	04/08/19-06/17/19	10 111	Colombini, Li	

ECS 287 PRACTICUM IV - CHILD DEVELOPMENT

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

Additional Fee: 23.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
41H4	3 Cr	5:00PM-6:00PM	M	04/08/19-06/17/19	10 111	Colombini, Li	

ECS 288 PRACTICUM IV - FAMILY CHILDCARE PROFESSIONAL

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

Additional Fee: 23.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
41J4	3 Cr	5:00PM-6:00PM	M	04/08/19-06/17/19	10 111	Colombini, Li	

ECS 297 ECE PRACTICUM IV: SPECIAL NEEDS

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

Additional Fee: 23.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
41K4	3 Cr	5:00PM-6:00PM	M	04/08/19-06/17/19	10 111	Colombini, Li	

EDUC& 150 CHILD, FAMILY, AND COMMUNITY

Students working with children ages birth through school age and their families will learn how to integrate the family and community contexts in which a child develops. The students will learn how to explore cultures and demographics of families in society, community resources, strategies for involving families in the education of their child, and tools for effective communication.

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>
4144	Var	6:00PM-9:15PM	W	04/10/19-06/12/19	10 111	Edmondson, Re	

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>
5804	7 Cr	7:30AM-3:00PM	DAILY	04/01/19-06/18/19	14 213	Irish, Tracy	

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

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

Instructor Permission required.

Additional Fee: 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>
5814	7 Cr	7:30AM-3:00PM	DAILY	04/01/19-06/18/19	14 213	Irish, Tracy	

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

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

Instructor Permission required.

Additional Fee: 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>
5824	7 Cr	7:30AM-3:00PM	DAILY	04/01/19-06/18/19	14 213	Irish, Tracy	

EFS 108 NATIONAL ELECTRICAL CODE PRINT READING

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

Instructor Permission required.

Additional Fee: 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>
5834	7 Cr	7:30AM-3:00PM	DAILY	04/01/19-06/18/19	14 213	Irish, Tracy	

EFS 109 NATIONAL ALARM INSTALLER TRAINING PROGRAM

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

Instructor Permission required.

Additional Fee: 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>
5844	7 Cr	7:30AM-3:00PM	DAILY	04/01/19-06/18/19	14 213	Irish, Tracy	

EFS 110 CCTV APPLICATION & DESIGN

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

Instructor Permission required.

Additional Fee: 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>
5854	7 Cr	7:30AM-3:00PM	DAILY	04/01/19-06/18/19	14 213	Irish, Tracy	

EFS 118 NATIONAL ELECTRICAL CODES

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

Instructor Permission required.

Additional Fee: 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>
5864	6 Cr	7:30AM-3:00PM	DAILY	04/01/19-06/18/19	14 213	Irish, Tracy	

EFS 119 NATIONAL FIRE CODES

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

Instructor Permission required.

Additional Fee: 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>
5874	6 Cr	7:30AM-3:00PM	DAILY	04/01/19-06/18/19	14 213	Irish, Tracy	

EFS 121 CCTV FIELD SERVICE & INSTALLATION

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

Instructor Permission required.

Additional Fee: 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>
5884	7 Cr	7:30AM-3:00PM	DAILY	04/01/19-06/18/19	14 213	Irish, Tracy	

EFS 124 WASHINGTON ADMINISTRATIVE CODES

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

Instructor Permission required.

Additional Fee: 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>
5894	2 Cr	7:30AM-3:00PM	DAILY	04/01/19-06/18/19	14 213	Irish, Tracy	

EFS 207 ADDRESSABLE FIRE SLC SYSTEMS/DESIGN

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

Instructor Permission required.

Additional Fee: 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>
58A4	7 Cr	7:30AM-3:00PM	DAILY	04/01/19-06/18/19	14 213	Irish, Tracy	

EFS 211 BIOMETRICS ACCESS

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

Instructor Permission required.

Additional Fee: 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>
58B4	7 Cr	7:30AM-3:00PM	DAILY	04/01/19-06/18/19	14 213	Irish, Tracy	

EFS 216 ADVANCED VOICE EVACUATION FIRES SYSTEMS

Introduces Advanced Voice Evacuation Fire Alarm Systems as used in high-rise applications. Includes comprehensive lessons, lecture, and hands-on practical application, installation, and design. Prerequisite(s): Successful completion of EFS 211 or instructor's permission.

Instructor Permission required.

Additional Fee: 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>
58C4	7 Cr	7:30AM-3:00PM	DAILY	04/01/19-06/18/19	14 213	Irish, Tracy	

EFS 221 FIRE CODES, NICET, NFPA

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

Instructor Permission required.

Additional Fee: 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>
58D4	7 Cr	7:30AM-3:00PM	DAILY	04/01/19-06/18/19	14 213	Irish, Tracy	

EFS 226 HIGH SECURITY STRUCTURED CABLING

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

Instructor Permission required.

Additional Fee: 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>
58F4	7 Cr	7:30AM-3:00PM	DAILY	04/01/19-06/18/19	14 213	Irish, Tracy	

EFS 231 CCTV DIGITAL NETWORK SOLUTIONS

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

Instructor Permission required.

Additional Fee: 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>
58G4	7 Cr	7:30AM-3:00PM	DAILY	04/01/19-06/18/19	14 213	Irish, Tracy	

ENGLISH

ENG 091 BASIC READING AND WRITING

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

Additional Fee: 24.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
5W01	5 Cr	8:00AM-8:50AM	MTW	04/01/19-06/18/19	16 116	Mollas, Tula	HYBRID
5W02	5 Cr	11:00AM-11:50AM	MTW	04/01/19-06/18/19	TBD	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. of 245 or equivalent or successful completion of ENG 091.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
5B74	5 Cr	1:45PM-2:47PM	MTWTh	04/01/19-06/18/19	14 100	Quincy, Denis	
5W03	5 Cr	2:00PM-4:20PM	MW	04/01/19-06/17/19	16 116	Mollas, Tula	HYBRID
5W04	5 Cr	10:00AM-10:50AM	MTWTh	04/01/19-06/18/19		Staff	HYBRID
5W05	5 Cr	7:30AM-9:50AM	MW	04/01/19-06/17/19	16 205	Heath, Terry	HYBRID
5W06	5 Cr	1:00PM-1:50PM	DAILY	04/01/19-06/18/19	16 205	Ruby, Michael	HYBRID
5W07	5 Cr	11:00AM-11:50AM	DAILY	04/01/19-06/18/19	17 240	Faherty, Dion	
5W08	5 Cr	2:00PM-2:50PM	DAILY	04/01/19-06/18/19	14 212	Copeland, Kri	

ENGL& 101 ENGLISH COMPOSITION I

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

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
0526	5 Cr	6:30PM-8:50PM	MW	04/01/19-06/17/19	17 240	Hoffman-Reye	HYBRID
0527	Var	ARRANGED	ARRANGED	04/01/19-06/18/19	ON LINE	Copeland, Kri	ONLINE
0528	5 Cr	ARRANGED	ARRANGED	04/01/19-06/18/19	ON LINE	Quincy, Denis	ONLINE
0529	5 Cr	ARRANGED	ARRANGED	04/01/19-06/18/19	ON LINE	Prenoveau, Su	ONLINE
0530	5 Cr	ARRANGED	ARRANGED	04/01/19-06/18/19	ON LINE	Wegley, Mark	ONLINE
0533	Var	9:00AM-9:50AM	DAILY	04/01/19-06/18/19	17 240	Faherty, Dion	
0534	Var	9:00AM-9:50AM	DAILY	04/01/19-06/18/19	17 240	Faherty, Dion	
0536	Var	10:00AM-10:50AM	DAILY	04/01/19-06/18/19	17 240	Faherty, Dion	
0537	Var	10:00AM-10:50AM	DAILY	04/01/19-06/18/19	17 240	Faherty, Dion	
0538	Var	12:00PM-12:50PM	DAILY	04/01/19-06/18/19	14 212	Copeland, Kri	
0539	5 Cr	12:00PM-12:50PM	DAILY	04/01/19-06/18/19	14 212	Copeland, Kri	
0540	Var	1:00PM-1:50PM	DAILY	04/01/19-06/18/19	14 212	Copeland, Kri	
0541	5 Cr	1:00PM-1:50PM	DAILY	04/01/19-06/18/19	14 212	Copeland, Kri	
5B04	5 Cr	10:00AM-11:02AM	DAILY	04/01/19-06/18/19	14 100	Quincy, Denis	
0522	5 Cr	12:00PM-12:50PM	TThF	04/02/19-06/18/19	16 203	Staff	HYBRID
0523	5 Cr	10:00AM-12:20PM	TTh	04/02/19-06/17/19	16 205	Heath, Terry	HYBRID
0524	5 Cr	10:00AM-12:20PM	TTh	04/02/19-06/18/19		Staff	HYBRID
0525	5 Cr	2:00PM-2:50PM	TThF	04/02/19-06/18/19	16 205	Wegley, Mark	HYBRID
0521	5 Cr	7:30AM-8:20AM	MTWTh	04/06/19-06/15/19	17 240	Hoffman-Reye	HYBRID

ENGL& 102 COMPOSITION II

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
0531	5 Cr	ARRANGED	ARRANGED	04/01/19-06/18/19	ON LINE	Faherty, Dion	ONLINE

ENGL& 235 TECHNICAL WRITING

Focuses on technical writing skills and projects for industry and professions. Strong emphasis will be placed on principles of good writing and research techniques. Students will use appropriate technology and research to prepare letters, resumes, reports, proposals, newsletters, specifications, and other writing tasks typically required in a technical work setting. Discovery and knowledge of workplace ethics and

guidelines as they pertain to writing will be researched, discussed, and used to enhance research. Requires use of technology including, but not limited to, computers, printers, and scanners. Prerequisite(s): Successful completion of ENGL& 101.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
0535	Var	ARRANGED	ARRANGED	04/01/19-06/18/19	ON LINE	Faherty, Dion	ONLINE

ENVIRONMENTAL SCIENCE

ENV 109 INTRODUCTION TO ECOLOGY

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

Additional Fee: 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>
4504	4 Cr	11:00AM-2:30PM	TWThF	04/02/19-06/18/19	16 104	Faust, Derek	ENHANCED

ENV 141 ORIENTATION TO ENVIRONMENTAL SCIENCE

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

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4514	4 Cr	ARRANGED	ARRANGED	04/02/19-06/18/19	ON LINE	Faust, Derek	ONLINE

ENV 162 GENERAL CHEMISTRY W/LAB

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

Additional Fee: 55.40

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4524	6 Cr	9:00AM-2:30PM	TWThF	04/02/19-05/07/19	16 104	Faust, Derek	ENHANCED

ENV 163 ENVIRONMENTAL CHEMISTRY W/LAB

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

Additional Fee: 55.40

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4534	6 Cr	9:00AM-11:00AM	TWThF	05/07/19-06/18/19	16 104	Faust, Derek	ENHANCED

ENV 231 ISSUES IN THE URBAN ENVIRONMENT

Course explores a variety of urban environmental issues. Storm-water management, sewage treatment, drinking-water treatment, and waste disposal. Lab Times: 9 a.m. to 12:50 p.m., Th ' 01/11/18-03/15/18 15/105. Prerequisite(s): Successful completion of GEOL& 110 and all ENV 100-level courses, except ENV 134.

Additional Fee: 50.50

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

ENV 240 INTERNSHIP

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

Additional Fee: 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>
4554	10 Cr	ARRANGED	ARRANGED	04/01/19-06/18/19	ARR	Smith Kathy	ENHANCED

ENV 245 ENVIRONMENTAL LAW II

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

Additional Fee: 24.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4564	5 Cr	11:30AM-1:50PM	TW	04/09/19-06/18/19	16 102	Smith Kathy	ENHANCED

ENV 246 ENVIRONMENTAL SCIENCE CAPSTONE

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

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4574	2 Cr	ARRANGED	ARRANGED	04/01/19-06/18/19	ON LINE	Smith Kathy	ONLINE

ENV 260 INTRODUCTION TO SOILS

Course focuses on basic physical, biological, and chemical concepts of soil science. Practical exercises and projects will be used to demonstrate how soil data is commonly used in regulatory, legal, and scientific land-use interpretations and decisions. Lab Times: 9 a.m. to 12:50 p.m., Th ' 01/11/18-03/15/18 15/105. Prerequisite(s): Successful completion of GEOL& 110 and all ENV 100-level courses, except ENV 134.

Additional Fee: 50.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4584	5 Cr	9:00AM-10:50AM	MW	04/08/19-06/17/19	16 102	Smith Kathy	ENHANCED

ENV 270 HAZARDOUS MATERIAL TRANSPORTATION

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

Additional Fee: 14.70

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4594	3 Cr	9:00AM-3:00PM	DAILY	04/01/19-04/05/19	16 102	Smith Kathy	

ESTHETIC SCIENCES

ES 105 A & P FOR ESTHETICIANS

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

Additional Fee: 72.45

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
6204	Var	8:30AM-9:30AM	DAILY	04/01/19-06/18/19	02 123	Shields, Maur	

ES 110 HISTOLOGY & PHYSIOLOGY OF THE SKIN

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

Additional Fee: 72.45

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
6214	Var	9:30AM-10:30AM	DAILY	04/01/19-06/18/19	02 123	Shields, Maur	

ES 113 INTRODUCTION TO COSMETIC CHEMISTRY

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

Additional Fee: 72.45

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
6224	Var	10:30AM-11:30AM	DAILY	04/01/19-06/18/19	02 123	Shields, Maur	

ES 114 FACIAL PROCEDURES

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

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

Additional Fee: 103.65

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
6264	5 Cr	8:00AM-2:30PM	DAILY	04/01/19-06/18/19	08 319	Whipple, Jenn	HYBRID

ES 116 CHARTING AND MEDICAL TERMINOLOGY FOR ESTHETICIAN

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

Additional Fee: 72.45

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
6234	Var	1:00PM-2:00PM	DAILY	04/01/19-06/18/19	02 123	Shields, Maur	

ES 118 TEMPORARY HAIR REMOVAL

Survey of temporary hair removal to include: indication, contraindications, methods of epilation using

multiple modalities including but not limited to hard wax, soft wax, and sugaring, lash and brow tinting as well as all safety and sanitation employed in the esthetics profession. Prerequisite(s): Successful completion of ES 105, 110, 113, 116, 120, and ES 123. Co-requisites: ES 114, 118, 132, 134 and ES 137. Additional Fee: 103.65

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
6274	4 Cr	8:00AM-2:30PM	DAILY	04/22/19-05/06/19	08 319	Whipple, Jenn	HYBRID

ES 120 SKIN DISEASES AND DISORDERS

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

Additional Fee: 72.45

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
6244	Var	11:30AM-12:30PM	DAILY	04/01/19-06/18/19	02 123	Shields, Maur	

ES 123 BACTERIOLOGY, SAFETY, AND SANITATION

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

Additional Fee: 72.45

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
6254	Var	7:30AM-8:30AM	DAILY	04/01/19-06/18/19	02 123	Shields, Maur	

ES 130 MAKEUP APPLICATION

Exploration of color theory, basic makeup allocation techniques and general product knowledge. Prerequisite(s): Successful completion of ES 105, ES 110, ES 113, ES 116, ES 120, and ES 123. Co-requisites: ES 125, ES 128, ES 132, ES 134, ES 138.

Additional Fee: 103.65

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
6284	2 Cr	8:00AM-2:30PM	DAILY	04/08/19-05/16/19	08 319	Whipple, Jenn	HYBRID

ES 132 SKIN CARE AND BODY TREATMENTS

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

Additional Fee: 103.65

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
6294	4 Cr	8:00AM-2:30PM	DAILY	05/20/19-06/05/19	08 319	Whipple, Jenn	HYBRID

ES 134 MACHINE FACIALS

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

Additional Fee: 45.20

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
62A4	4 Cr	8:00AM-2:30PM	DAILY	06/06/19-06/13/19	08 319	Whipple, Jenn	HYBRID

ES 136 MICRODERMABRASION AND SUPERFICIAL PEELS

Covers clinical exfoliation and desquamation techniques employing chemical and mechanical methods. Prerequisite(s): Successful completion of ES 114, ES 118, ES 130, ES 132, ES 134, and ES 137. Co-requisites: ES 140, ES 145, ES 154, and ES 159.

Additional Fee: 72.45

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
62C4	4 Cr	9:00AM-3:30PM	DAILY	04/15/19-05/06/19	08 325	Sorensen, Kar	HYBRID

ES 137 SPA CLINIC OPERATIONS

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

Additional Fee: 45.20

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
62B4	1 Cr	8:00AM-2:30PM	DAILY	06/14/19-06/18/19	08 319	Whipple, Jenn	HYBRID

ES 140 CLINICAL APPLICATIONS I

Realistic training in our student-run clinic, incorporating every aspect of an exemplar esthetics practice. Prerequisite(s): Successful completion of ES 125, ES 128, ES 130, ES 132, ES 134, and ES 137. Co-requisites: ES 136, ES 145, ES 154, and ES 159.

Additional Fee: 14.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
62D4	7 Cr	11:30AM-3:30PM	MTWTh	04/15/19-06/13/19	08 325	Sorensen, Kar	HYBRID

ES 141 CLINICAL APPLICATIONS II

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

Additional Fee: 14.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
62J4	5 Cr	11:30AM-3:30PM	TWThF	04/16/19-06/14/19	08 327	Siedlicki, M	HYBRID

ES 145 CORRECTIVE CONCEALING MAKEUP

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

Additional Fee: 72.45

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
62F4	3 Cr	9:00AM-3:30PM	DAILY	04/16/19-06/03/19	08 323	Sorensen, Kar	HYBRID

ES 149 LASER THEORY AND APPLICATIONS

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

Additional Fee: 72.45

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
62K4	5 Cr	9:00AM-11:15AM	DAILY	04/10/19-05/14/19	08 327	Siedlicki, M	HYBRID

ES 150 MEDIUM DEPTH PEELS

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

Additional Fee: 72.45

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
62L4	2 Cr	9:00AM-3:30PM	DAILY	04/01/19-04/09/19	08 327	Siedlicki, M	HYBRID

ES 153 ADVANCED COSMETIC CHEMISTRY

In-depth study of cosmetic chemicals and product knowledge. Students will write research papers on chemical products, ingredients, and contraindications that may occur during an esthetic treatment.

Prerequisite(s): Successful completion of ES 136, ES 140, ES 145, ES 154, and ES 159. Co-requisites: ES 141, ES 149, ES 150, ES 157, and ES 158.

Additional Fee: 72.45

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
62M4	3 Cr	9:00AM-11:15AM	DAILY	05/15/19-06/13/19	08 327	Siedlicki, M	HYBRID

ES 154 ADVANCED SKIN CARE AND MASSAGE TECHNIQUES

This course includes advanced modalities of skin care, including MLD and other industry related techniques. Prerequisite(s): Successful completion of ES 114, ES 118, ES 130, ES 132, ES 134, and ES 137. Co-requisites: ES 136, ES 140, ES 145, and ES 159.

Additional Fee: 72.45

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
62G4	5 Cr	9:00AM-3:30PM	DAILY	04/01/19-05/10/19	08 323	Sorensen, Kar	HYBRID

ES 157 BUSINESS PLANNING

Independent research and preparation of a business plan and portfolio as capstone project.

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

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
62N4	2 Cr	9:00AM-3:30PM	DAILY	05/24/19-06/06/19	08 327	Siedlicki, M	HYBRID

ES 158 STATE BOARD PREPARATION

This course includes kit preparation and simulation of state board examinations. Prerequisite(s):

Successful completion of ES 136, ES 140, ES 145, ES 154, and ES 159. Co-requisites: ES 141, ES 149, ES 150, ES 153, and ES 157.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
62P4	2 Cr	9:00AM-3:30PM	DAILY	06/07/19-06/18/19	08 327	Siedlicki, M	HYBRID

ES 159 INTRO TO BUSINESS PLANNING & PROFESSIONAL DEVELO

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

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
62H4	1 Cr	9:00AM-3:30PM	DAILY	04/22/19-06/18/19	08 325	Sorensen, Kar	HYBRID

FUNDAMENTAL SKILLS FOR MANUFACTURING AND ENGINEERING CLASSES

FSME 101 WORKSHOP SAFETY

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

Instructor Permission required.

Additional Fee: 40.70

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
MQ04	3 Cr	7:30AM-3:00PM	MTWTh	04/01/19-06/18/19	25	Chesnes, Thom	HYBRID

FSME 111 QUALITY PRINCIPLES, INSPECTION & TEST

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

Instructor Permission required.

Additional Fee: 50.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
MQ14	5 Cr	7:30AM-3:00PM	MTWTh	04/01/19-06/18/19	25	Chesnes, Thom	HYBRID

FSME 112 FABRICATION FUNDAMENTALS I

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

Instructor Permission required.

Additional Fee: 50.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
MQ24	5 Cr	7:30AM-3:00PM	MTWTh	04/01/19-06/18/19	25	Chesnes, Thom	HYBRID

FSME 113 FABRICATION FUNDAMENTALS II

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

Instructor Permission required.

Additional Fee: 50.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
MQ34	5 Cr	7:30AM-3:00PM	MTWTh	04/01/19-06/18/19	25	Chesnes, Thom	HYBRID

GEOGRAPHY

GEOLOGY

GRAPHIC TECHNOLOGIES

GTC 110 ART, DESIGN, AND VISUAL THINKING

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

Additional Fee: 88.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
8504	5 Cr	9:00AM-5:00PM	Th	04/04/19-06/13/19	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>
8514	5 Cr	9:00AM-5:00PM	M	04/01/19-06/17/19	11 154	Moyer, John	

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>
8524	5 Cr	9:00AM-5:00PM	W	04/03/19-06/12/19	11 154	Moyer, John	

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>
8534	5 Cr	9:00AM-5:00PM	T	04/02/19-06/18/19	11 158	Owens, Darryl	

GTC 209 ADVANCED VECTOR DIGITAL ILLUSTRATION

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. Integrate Adobe Acrobat Pro as soft proofing software from within Illustrator and prepare files for electronic output ready for a service provider.

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>
8544	5 Cr	9:00AM-5:00PM	M	04/01/19-06/17/19	11 158	Owens, Darryl	

GTC 210 DIGITAL IMAGING III

From combining multiple images into a single design, to manipulating existing photos, to creating entirely new digital artwork from scratch. Adobe Photoshop is one of the most universal and powerful tools in the professional graphic design arsenal. The projects in this course were designed to reflect a variety of assignments that you might encounter in your graphic design career. 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>
8554	5 Cr	9:00AM-5:00PM	T	04/02/19-06/18/19	11 154	Moyer, John	

GTC 223 PREPRESS II

Advanced prepress production topics are covered through lecture, research and practice. Topics include: fonts, postscript, Acrobat, file management, and raster image processing. Students will produce printing plates with halftones through the use of the Adobe suite and raster image processing. Prerequisite(s): Successful completion of GTC 164 or instructor approval.

Additional Fee: 88.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
8564	5 Cr	9:00AM-5:00PM	Th	04/04/19-06/13/19	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>
85A4	5 Cr	9:00AM-5:00PM	F	04/05/19-06/14/19	11 106	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>
85B4	5 Cr	9:00AM-5:00PM	W	04/03/19-06/12/19	11 106	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>
85C4	5 Cr	9:00AM-5:00PM	Th	04/04/19-06/13/19	11 106	Webster, Mark	

GTC 276 INDESIGN II

Students will perform advanced techniques with InDesign, create documents, use 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>
8574	5 Cr	9:00AM-5:00PM	W	04/03/19-06/12/19	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>
8584	4 Cr	4:00PM-5:00PM	Th	04/04/19-06/13/19	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>
8594	4 Cr	4:00PM-5:00PM	Th	04/04/19-06/13/19	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. Co-requisites: Enrollment in HUC 108, HUC 114, and HUC 120.

Additional Fee: 14.70

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
8114	3 Cr	8:00AM-2:45PM	TWTh	04/01/19-06/18/19	21 105	Briggs, Marla	HYBRID

HUC 108 ORIENTATION TO HUC

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

Additional Fee: 124.40

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
8104	6 Cr	8:00AM-2:45PM	DAILY	04/01/19-06/18/19	21 105	Briggs, Marla	ENHANCED

HUC 112 UNIT COORDINATOR TASKS & PROCEDURES II

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

Successful completion of HUC 106, HUC 108, HUC 114, and HUC 120. Co-requisites: Enrollment in HUC 113, HUC 118, HUC 122, HUC 126, and HUC 132.

Additional Fee: 19.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
8154	4 Cr	3:00PM-10:00PM	MThF	04/01/19-06/18/19	21 105	Perez, Joylen	HYBRID

HUC 113 INTRODUCTION TO COMMUNICATION IN THE HUC ROLE

Students will learn to describe and use good listening skills as a means of preventing and/or solving conflicts with a variety of people in different situations. This course also focuses on developing skills for the role of the communicator for the nursing unit. Students will also be given the tools for developing and practicing assertive communication, interpersonal relationships, and confidentiality skills. Prerequisite(s): Successful completion of HUC 106, HUC 108, HUC 114, and HUC 120. Co-requisites: Enrollment in HUC 112, HUC 118, HUC 122, HUC 126, and HUC 132.

Additional Fee: 4.90

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
8164	1 Cr	3:00PM-10:00PM	DAILY	04/01/19-06/18/19	21 105	Perez, Joylen	HYBRID

HUC 114 UNIT COORDINATOR TASKS & PROCEDURES I

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

Additional Fee: 63.30

<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>
8124	7 Cr	8:00AM-2:45PM	M	04/01/19-06/18/19	21 105	Briggs, Marla	HYBRID

HUC 118 ADV COMMUNICATIONS APPLICATIONS IN THE HUC ROLE

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

Additional Fee: 9.80

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
8174	2 Cr	3:00PM-10:00PM	MTTh	04/01/19-06/18/19	21 105	Perez, Joylen	HYBRID

HUC 120 UNIT MANAGEMENT

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

Additional Fee: 14.70

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
8134	3 Cr	8:00AM-2:45PM	W	04/01/19-06/18/19	21 105	Briggs, Marla	HYBRID

HUC 122 UNIT MANAGEMENT II

Focuses on cognitive knowledge for managing the nursing unit and developing verbal and written communication skills. Students will develop leadership and performance skills by practicing classroom management. Prerequisite(s): Successful completion of HUC 106, HUC 108, HUC 114, and HUC 120. Co-requisites: Enrollment in HUC 112, HUC 113, HUC 118, HUC 126, and HUC 132.

Additional Fee: 14.70

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
8184	3 Cr	3:00PM-10:00PM	TW	04/01/19-06/18/19	21 105	Perez, Joylen	HYBRID

HUC 126 LEGAL/ETHICAL ASPECTS OF UNIT COORDINATING

Enables students to identify legal elements that are necessary in regard to preparing legal documents, discussing hospital and patient confidentiality, or witnessing signatures on consents for treatment. The ethics of this profession will be explored, and students will learn how to apply these ethics in professional behaviors. Covers AIDS education, blood-borne pathogens, HIPAA and hepatitis information.

Prerequisite(s): Successful completion of HUC 106, HUC 108, HUC 114, and HUC 120. Co-requisites: Enrollment in HUC 112, HUC 113, HUC 118, HUC 122, and HUC 132.

Additional Fee: 9.80

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
8194	2 Cr	3:00PM-10:00PM	WF	04/01/19-06/18/19	21 105	Perez, Joylen	HYBRID

HUC 132 CLINICAL EXPERIENCE

Enables students to use the cognitive and performance objectives from courses HUC 102 through 126 in the clinical setting. The course focuses on resume preparation, employment application, and an employment interview. In order to participate in the clinical aspect of the program, students must receive a 'No Record On File' report from the Washington State Patrol regarding crimes against persons. Clinical hours vary from six to eight hours per day, four days per week. Students unable to complete course HUC 132 will have the option of completing a clinical rotation with the next available program, on approval from the instructors, within six months. Prerequisite(s): Successful completion of HUC 106, HUC 108, HUC 114, and HUC 120. Co-requisites: Enrollment in HUC 112, HUC 113, HUC 118, HUC 122, and HUC 126.

Additional Fee: 14.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
81A4	7 Cr	ARRANGED	DAILY	04/01/19-06/18/19	21 105	Perez, Joylen	HYBRID

HUC 204 ECG MONITOR TECHNICIAN

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

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>
8144	3 Cr	12:00PM-3:00PM	TWThF	04/09/19-05/08/19	21 105	Perez, Joylen	ENHANCED

HEATING/VENTILATION/AIR CONDITIONING **(HVAC)**

HAC 102 BASIC ELECTRICITY

Discusses the structure of matter, movement, electrons, conductors, insulators, direct and alternating

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

Additional Fee: 64.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
1804	5 Cr	7:00AM-1:45PM	DAILY	04/01/19-06/18/19	25 202	Barton, Rich	ENHANCED

HAC 105 ELECTRICAL CIRCUITS

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

Additional Fee: 59.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
1814	4 Cr	7:00AM-1:45PM	DAILY	04/01/19-06/18/19	25 202	Barton, Rich	ENHANCED

HAC 120 ADVANCED CONTROLS AND TROUBLESHOOTING

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

Additional Fee: 59.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
1824	4 Cr	7:00AM-1:45PM	DAILY	04/01/19-06/18/19	25 202	Barton, Rich	ENHANCED

HAC 162 ELECTRIC MOTORS AND THEIR APPLICATIONS

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

Additional Fee: 59.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
1844	4 Cr	7:00AM-1:45PM	DAILY	04/01/19-06/18/19	25 202	Barton, Rich	ENHANCED

HAC 163 REFRIGERATION CONTROLS

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

Additional Fee: 54.70

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
1834	3 Cr	7:00AM-1:45PM	DAILY	04/01/19-06/18/19	25 202	Barton, Rich	ENHANCED

HAC 164 ELECTRIC MOTOR CONTROLS AND TROUBLESHOOTING MOTO

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

Additional Fee: 54.70

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
1854	3 Cr	7:00AM-1:45PM	DAILY	04/01/19-06/18/19	25 202	Barton, Rich	ENHANCED

HAC 169 ADV MOTOR THEORY

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

Additional Fee: 49.80

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
1864	2 Cr	7:00AM-1:45PM	DAILY	04/01/19-06/18/19	25 202	Barton, Rich	ENHANCED

HAC 202 ADVANCED REFRIGERATION

Covers competently troubleshooting and repair of refrigeration equipment, thermal physics and equipment for refrigeration systems analysis and efficiency. This is a hands-on class utilizing live projects.

Prerequisite(s): Must have required hand tools of the trade. Must be enrolled in HAC 249 and HAC 257.

Additional Fee: 89.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
18C4	10 Cr	7:00AM-1:45PM	DAILY	04/01/19-06/18/19	25 300	Bean, Thomas	ENHANCED

HAC 230 EPA REFRIGERANT RECOVERY CERTIFICATION

Will give students the knowledge to properly recover and charge refrigerants & dispose of them as defined by EPA. Pass a national examination.

Additional Fee: 44.90

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
1874	Var	7:00AM-1:45PM	DAILY	04/01/19-06/18/19	25 402	Mcghee, Dwig	ENHANCED

HAC 237 BASIC REFIGERATION I

Introduction to controls, thermal physics, and equipment for residential and light commercial air conditioning and refrigeration system installation and servicing, with emphasis on refrigeration.

Prerequisite(s): HAC 102 through 168 or equivalent or instructor permission. Have all the tools of the trade.

Additional Fee: 74.30

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
1884	Var	7:00AM-1:45PM	DAILY	04/01/19-06/18/19	25 402	Mcghee, Dwig	ENHANCED

HAC 242 BASIC REFIGERATION I LAB

Covers troubleshooting and repair of refrigeration equipment, thermal physics, and equipment for refrigeration systems analysis and efficiency. This is a hands-on class utilizing live projects. Students will build a basic capillary tube refrigeration unit using basic temperature controls. Prerequisite(s): Must have required hand tools of the trade and completed HAC 102-169, and must be enrolled in the Basic Refrigeration I course.

Additional Fee: 64.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
1894	Var	7:00AM-1:45PM	DAILY	04/01/19-06/18/19	25 300	Mcghee, Dwigh	ENHANCED

HAC 246 BASIC REFRIGERATION II

Introduction to controls, thermal physics, and equipment for residential and light commercial airconditioning and refrigeration system installation and servicing, with emphasis on commercial refrigeration and heat pumps. Prerequisite(s): Must have required hand tools of the trade and completed HAC 102-169, and must be enrolled in the Basic Refrigeration I course.

Additional Fee: 69.40

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
18A4	Var	7:00AM-1:45PM	DAILY	04/01/19-06/18/19	25 402	Mcghee, Dwigh	ENHANCED

HAC 249 JOB READINESS

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

Additional Fee: 64.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
18F4	5 Cr	7:00AM-1:45PM	DAILY	04/01/19-06/18/19	25 300	Mcghee, Dwigh	ENHANCED

HAC 255 BASIC REFRIGERATION II LAB

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

Additional Fee: 54.70

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
18B4	Var	7:00AM-1:45PM	DAILY	04/01/19-06/18/19	25 300	Bean, Thomas	ENHANCED

HAC 257 COMMERCIAL REFRIGERATION

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

Additional Fee: 74.30

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
18D4	7 Cr	7:00AM-1:45PM	DAILY	04/01/19-06/18/19	25 300	Mcghee, Dwigh	ENHANCED

HEMODIALYSIS

HDT 106 DOSAGE CALCULATIONS

Emphasis on fractions, combined percentages, the metric system, apothecary measurements and conversions, Roman numerals and dosage calculation formulas. Self-paced lab. (For hemodialysis students only). Prerequisite(s): Accuplacer reading/writing combined score of 228 or equivalent, or successful completion of ENG 091. Accuplacer arithmetic score of 230 or equivalent.

Additional Fee: 9.80

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

8804 2 Cr 7:00AM-8:15AM MT 04/01/19-06/18/19 21 227 Markovits, Ke HYBRID

HDT 108 HEALTH INFORMATION TECHNOLOGY IN PATIENT SERVICE

Covers the issues, trends, and impacts of electronic and networked information technology on health care services in general. Explores specific issues related to the hemodialysis technician profession.

Additional Fee: 9.80

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
8824	2 Cr	7:00AM-8:15AM	WTh	04/03/19-06/13/19	21 227	Markovits, Ke	HYBRID

HDT 116 COMPUTER APPLICATIONS/KEYBOARDING

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

Additional Fee: 9.80

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
8814	2 Cr	8:30AM-9:45AM	WTh	04/03/19-06/13/19	21 227	Markovits, Ke	HYBRID

HDT 123 HEMODIALYSIS TERMS ANATOMY & PHYSIOLOGY

Provides the basic techniques of medical word building to be applied in acquiring an extensive medical vocabulary. Introduces anatomical, physiological, and pathological terms relating to body systems and medical abbreviations.

Additional Fee: 9.80

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
8834	2 Cr	8:30AM-9:45AM	MT	04/01/19-06/18/19	21 227	Markovits, Ke	HYBRID

HDT 130 HEMODIALYSIS PRINCIPLES & PROCEDURES I

Defines the basic principles of diffusion, filtration, fluid dynamics, and osmosis relating to the dialysis process. Includes overviews of the dialysis environment and kidney functions. Covers patient vitals and monitoring treatment, including identification of normal and abnormal values. Students will perform laboratory tests and use patient documentation procedures. Students will learn to identify causes, signs, symptoms, preventions, and interventions for medical and technical complications that may occur during dialysis. Includes patient dietary and nutrition requirements.

Additional Fee: 124.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
8844	5 Cr	10:00AM-1:00PM	MTWTh	04/01/19-06/18/19	21 227	Markovits, Ke	HYBRID

HDT 160 CLINICAL PRACTICUM

During the clinical experience, students will participate in a dialysis facility as a member of the health care team in applying principles of hemodialysis, standard precautions, fluid management, initiating and concluding a dialysis treatment, patient and equipment monitoring, and treatment of routine hemodialysis problems in accordance with the standard dialysis procedures and policies of the facilities. Student will need to complete a total of 300 hours in the clinic. Prerequisite(s): Students must successfully complete HDT 142, 150, 151, and 153 with a score of 80% or higher. Completion of all required immunizations with lab results as outlined. Students must be able to pass background check and drug screening requirements per clinical site. Current 'American Heart Association' (Healthcare Provider CPR/FirstAid BLS) ' no substitutions.

Additional Fee: 14.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
8854	6 Cr	ARRANGED	ARRANGED	04/01/19-06/14/19	21 227	Markovits, Ke	ENHANCED

HDT 165 CLINICAL PRACTICUM II

During the clinical experience, students will participate in a dialysis facility as a member of the health care team in applying principles of hemodialysis, standard precautions, fluid management, initiating and concluding a dialysis treatment, patient and equipment monitoring, and treatment of routine hemodialysis problems in accordance with the standard dialysis procedures and policies of the facilities. Student will need to complete a total of 300 hours in the clinic. Prerequisite(s): Students must successfully complete HDT 142, 150, 151, and 153 with a score of 80% or higher. Completion of all required immunizations with lab results as outlined. Students must be able to pass background check and drug screening requirements per clinical site. Current 'American Heart Association' (Healthcare Provider CPR/FirstAid BLS) ' no substitutions.

Additional Fee: 14.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
8864	6 Cr	ARRANGED	ARRANGED	04/01/19-06/14/19	21 227	Markovits, Ke	ENHANCED

HISTORY

HUMAN SERVICES

HS 115 THERAPEUTIC COMMUNICATION SKILLS

Acquaints students with theories and methods of therapeutic communication as well as multicultural communication. Students will demonstrate mastery of theory through classroom activities including mock interviews and work related client interactions. Prerequisite(s): Successful completion of ENGL& 101, PSYC& 100, any 100-level Computer Applications class of 3 or more credits, and COLL 102 with a grade of 'C' or higher.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
2404	5 Cr	10:00AM-11:50AM	MWF	04/01/19-06/17/19	02 120	Welch, Rober	HYBRID

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

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

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
2434	1 Cr	ARRANGED	ARRANGED	04/01/19-06/18/19	ON LINE	Welch, Rober	ONLINE

HS 127 INTRODUCTION TO HUMAN SERVICES

Introduces students to human services as a profession and includes a historical and philosophical framework of human service delivery. Contemporary roles and the human service worker will be covered, including: typical duties and tasks of human service workers, income, maintenance, children's services, family services, aging, substance abuse, mental health, services for persons with disabilities, and the sociocultural aspects of providing services in a multiculturally diverse society. Students will also examine the competencies and qualifications required to become an effective human services worker, as well as the occupational and educational alternatives for graduates. Prerequisite(s): Successful completion of ENGL& 101, PSYC& 100, any 100-level Computer Applications class of 3 or more credits, and COLL 102 with a grade of 'C' or higher.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
2414	5 Cr	9:00AM-9:50AM	DAILY	04/01/19-06/18/19	02 120	Welch, Rober	HYBRID

HS 152 INTERNSHIP I

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

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>
2444	3 Cr	ARRANGED	ARRANGED	04/01/19-06/18/19	02 112	White, Duke	

HS 215 HUMAN DEVELOPMENT FOR HUMAN SERVICE PROFESSIONAL

Human development for the human services professional is a lifespan development course looking at the physical, social, cognitive, and emotional development from conception to death. Cultural dynamics, diversity, and social contexts are examined in their relationship to the developmental process. Implications for parenting, education, case management, and social policymaking will be discussed in terms of the application for human services professionals. Prerequisite(s): Students must complete HS 245, HS 222, HS 230, and HS 241 to be eligible to take this course.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
2484	5 Cr	9:00AM-9:50AM	DAILY	04/01/19-06/18/19	02 112	Watts, Bryant	HYBRID

HS 226 MENTAL HEALTH ASSESSMENT AND EVALUATION

Explores current perspectives of mental health in the helping professions by focusing on the identification, definition, diagnostic criteria, and assessment and evaluation of psychological disorders. Emphasizes the continuum between normal and abnormal behavior by examining biological, psychological, and sociocultural causal factors as they relate to adults and children. Prerequisite(s): Students must complete HS 225, HS 125, HS 227, and HS 120 to be eligible to take this course.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
2454	5 Cr	10:00AM-11:50AM	MWF	04/01/19-06/17/19	02 112	Watts, Bryant	HYBRID

HS 234 CULTURAL COMPETENT PRACTICE

Provides students with an awareness of the historical, cultural, socioeconomic, biological, and psychosocial influences that define diversity. Examines culturally competent standards that influence best practice standards for human service workers. Students will explore culture, guidelines for culturally sensitive practices, the impact of inequality on a variety of service populations, racism, prejudice, and inclusion strategies. Prerequisite(s): Students must complete HS 225, HS 125, HS 227, and HS 120 to be eligible to take this course.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
2464	5 Cr	10:00AM-11:50AM	TTh	04/02/19-06/18/19	02 120	Welch, Rober	HYBRID

HS 237 LAW & ETHICS FOR HUMAN SERVICES

Presents an overview of the ethical and professional issues that human services workers face in the field. Includes ethical decision making, professional responsibilities, liability, confidentiality, records and rights of clients, professional codes of ethics, core values and personal issues, supervision, leadership, and the legal system. Prerequisite(s): Successful completion of ENGL& 101, PSYC& 100, any 100-level Computer Applications class of 3 or more credits, and COLL 102 with a grade of 'C' or higher.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
2424	3 Cr	ARRANGED	ARRANGED	04/01/19-06/18/19	ON LINE	Van Beek, Car	ONLINE

HS 240 SURVEY OF ADDICTION

Focuses on addiction in modern society by surveying prevalent addictions and common co-occurring disorders. Students will gain an overview of causal factors and the consequences of addiction as they relate to the individual, family, and community. A strengths-based perspective will focus on the biological, psychological, and sociocultural factors influencing addiction and recovery. Prerequisite(s): Students must complete HS 245, HS 222, HS 230, and HS 241 to be eligible to take this course.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
2494	5 Cr	ARRANGED	ARRANGED	04/01/19-06/18/19	ON LINE	Watts, Bryant	ONLINE

HS 245 INTERNSHIP II

Students will participate in on-the-job training in the human services field of their choice. Duties and tasks are supervised. Students perform relevant job duties and tasks within their agency of choice, attend supervision meetings, identify applicable community resources, and perform other job duties as assigned. Instructor permission is required for site choice. Successful completion of Internship I is required. Prerequisite(s): Successful completion of HS 152 Internship I.

Additional Fee: 14.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
2474	3 Cr	ARRANGED	ARRANGED	04/01/19-06/18/19	02 112	White, Duke	

HS 246 GROUP PROCESS

An introduction to the dynamics of group interaction, with emphasis on the student's firsthand experience as a group leader and member. Highlights the factors involved in problems of communication, effective emotional responses, and personal growth. Emphasizes group process as a means of changing behavior. This course is designed to assist human services students, who will function as group leaders and co-leaders. Prerequisite(s): Students must complete HS 245, HS 222, HS 230, and HS 241 to be eligible to take this course.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
24A4	3 Cr	10:00AM-11:30AM	TTh	04/02/19-06/18/19	02 112	Watts, Bryant	HYBRID

HS 255 INTERNSHIP III

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

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>
24B4	3 Cr	ARRANGED	ARRANGED	04/01/19-06/18/19	02 112	White, Duke	

HUMAN SERVICES/CHEMICAL DEPENDENCY

HSCD 134 INTRODUCTION TO ADDICTIONS

Focuses on substance and behavioral addictions in modern society by surveying prevalent addiction trends and common co-occurring disorders. Students will gain an overview of causal factors and the consequences of addiction as they relate to the individual, family, and community. A strengths-based perspective will focus on the biological, psychological, and sociocultural factors influencing addiction and recovery. Prerequisite(s): Completion of a terminal degree associate or higher, or student has completed HS 222, HS 241, HS 230, and HS 255.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
24C4	5 Cr	5:00PM-7:15PM	W	04/03/19-06/12/19	02 112	Weinmann, Jen	HYBRID

HSCD 180 ADDICTIONS TREATMENT: ETHICS AND THE LAW

This course examines the federal and state laws that pertain to chemical dependency for individuals, families, and service agencies, including the relevant WAC and RCW. Students will be introduced to the local criminal, civil, and juvenile court systems. Core topics include the examination and adherence of the ethical standards for chemical dependency professionals in the helping relationship, including implications for clinical supervision and continuing education. Includes ethical decision-making, professional responsibilities, liability, confidentiality, records and rights of clients, professional codes of ethics, core values and personal issues, supervision, leadership, and the legal system. Prerequisite(s): Completion of a terminal degree associate or higher, OR student has completed HS 222, HS 241, HS 230, and HS 255.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
24D4	5 Cr	ARRANGED	ARRANGED	04/01/19-06/18/19	ON LINE	Weinmann, Jen	ONLINE

HSCD 215 CASE MANAGEMENT & RECORDKEEPING FOR THE CDP

This course provides basic chemical dependency case management skills of service coordination, referral practices, community services, ongoing evaluation of treatment progress, client needs, HIV Brief risk intervention for the chemically dependent, and learning documentation standards and applicable laws. Prerequisite(s): Completion of a terminal degree associate or higher, OR student has completed HS 222, HS 241, HS 230, and HS 255.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
24F4	5 Cr	7:30PM-10:00PM	W	04/03/19-06/12/19	02 120	Welch, Rober	HYBRID

HSCD 235 CHEMICAL DEPENDENCY PRACTICUM

Students will work in a supervised chemical dependency agency, as approved by the internship supervisor. Students adhere to ethical and professional responsibilities as per their agency, WAC, RCW, and NAADAC guidelines. The course will provide both individual and group supervision provided by agency and instructional professionals to share experiences and further develop work-related skills. Students will complete 115 hours of supervised clinical experience. Prerequisite(s): Completion of a terminal degree associate or higher, OR student has completed HS 222, HS 241, HS 230, HS 255, and HSCD 134.

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>
24H4	3 Cr	ARRANGED	ARRANGED	04/01/19-06/18/19	02 112	Weinmann, Jen	

HSCD 249 CHEMICAL DEPENDENCY & COUNSELING II: ADULT/FAMILY

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

systems theory. Discusses client, family, and community education for substance misuse. Prerequisite(s): Completion of a terminal degree associate or higher, OR student has completed HS 222, HS 241, HS 230, HS 255, and HSCD 155.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
24G4	5 Cr	5:00PM-7:15PM	W	04/03/19-06/12/19	02 120	Welch, Rober	HYBRID

HSCD 251 RELAPSE PREVENTION

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

Prerequisite(s): Completion of a terminal degree associate or higher, OR student has completed HS 222, HS 241, HS 230, and HS 255.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
24J4	3 Cr	7:30PM-10:00PM	W	04/03/19-06/12/19	02 112	Weinmann, Jen	HYBRID

HUMANITIES

HUM& 101 INTRODUCTION TO HUMANITIES

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

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
0542	5 Cr	ARRANGED	ARRANGED	04/01/19-06/18/19	ON LINE	Rendal, Cami	ONLINE

INTERIOR DESIGN

DSN 105 DRAFTING I

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

Additional Fee: 79.40

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
3604	Var	8:00AM-2:00PM	DAILY	04/15/19-05/03/19	19 210	Wiggins, Just	

DSN 119 INTERIOR DESIGN & THE DESIGN PROCESS

This course will introduce students to concepts to successfully steer an idea on its journey from imagination to object and to focus on where the idea is going. This introduction describes the nature of a designer's journey, maps the path a designer will take, and explores the path of what happens along the

way. This course is an introduction to inspiration, conceptualization, communication, and elements and principles of design and trend spotting.

Additional Fee: 69.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
3614	4 Cr	8:00AM-2:00PM	DAILY	04/01/19-04/12/19	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>
3624	4 Cr	8:00AM-2:00PM	DAILY	05/06/19-05/24/19	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>
3634	4 Cr	8:00AM-2:00PM	DAILY	05/28/19-06/18/19	19 210	Bowman, Michl	

DSN 145 RESIDENTIAL, PLANNING, DESIGN AND INTERIOR SPACE

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

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

Additional Fee: 74.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
3664	Var	8:00AM-2:00PM	DAILY	06/03/19-06/18/19	19 210	Wiggins, Just	

DSN 153 DRAFTING III

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

Additional Fee: 69.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
3674	4 Cr	8:00AM-2:00PM	DAILY	04/30/19-05/24/19	19 210	Wiggins, Just	

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>
3654	4 Cr	8:00AM-2:00PM	DAILY	04/05/19-04/23/19	ARR	Bowman, Michl	

DSN 159 INTRO TO TECHNOLOGY FOR INTERIOR DESIGNERS

Learn basic computer skills for interior designers. Contents include computer use for file management and Internet research, as well as introductions to computer generated 3D modeling and design software for editing and presentation.

Additional Fee: 64.70

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
3644	3 Cr	8:00AM-2:00PM	DAILY	04/01/19-05/31/19	19 202	Watts, Julie	ENHANCED

DSN 202 ELEMENTS OF KITCHEN AND BATH DESIGN

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

Additional Fee: 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>
36C4	5 Cr	ARRANGED	DAILY	04/01/19-04/18/19	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>
36D4	5 Cr	3:00PM-8:00PM	DAILY	04/22/19-05/10/19	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>
36F4	4 Cr	ARRANGED	DAILY	05/13/19-05/31/19	19 202	Wiggins, Just	HYBRID

DSN 211 BUSINESS PROCEDURES AND SALES

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

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
36G4	4 Cr	ARRANGED	ARRANGED	06/03/19-06/18/19	ON LINE	Wiggins, Just	ONLINE

DSN 215 SUSTAINABLE DESIGN: AN OVERVIEW

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

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
36H4	5 Cr	ARRANGED	ARRANGED	04/01/19-06/18/19	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>
36J4	4 Cr	ARRANGED	ARRANGED	04/01/19-06/18/19	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>
36K4	5 Cr	ARRANGED	ARRANGED	04/01/19-06/18/19	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>
3684	4 Cr	8:00AM-2:00PM	DAILY	04/01/19-04/12/19	19 202	Watts, Julie	

DSN 229 SUSTAINABLE INTERIORS & THE INTERGRATED DESIGN P

Covers the steps to design and present a green interior space. Students will learn more about the integrated design process, develop their own sustainable interior design, and present it in a professional manner in preparation for real-life sustainable design proposals. Prerequisite(s): Completed or concurrently enrolled in DSN 215, DSN 224, and DSN 226. Basic competency with computers and navigating the web.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
36L4	5 Cr	ARRANGED	ARRANGED	04/01/19-06/18/19	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>
36B4	7 Cr	8:00AM-2:00PM	DAILY	05/21/19-06/18/19	19 202	Watts, Julie	

DSN 239 CAD II

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

Additional Fee: 74.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
36A4	5 Cr	8:00AM-2:00PM	DAILY	04/30/19-05/20/19	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>
3694	4 Cr	8:00AM-2:00PM	DAILY	04/15/19-04/29/19	19 202	Bowman, Michl	

DSN 265 INDEPENDENT STUDY

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

Additional Fee: 64.70

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
36M4	3 Cr	ARRANGED	ARRANGED	04/01/19-06/18/19	19 210	Schillar, Sun	

DSN 270 INDEPENDENT STUDY

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

Additional Fee: 69.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
36P4	4 Cr	ARRANGED	ARRANGED	04/01/19-06/18/19	19 210	Schillar, Sun	

DSN 275 INDEPENDENT STUDY

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

Additional Fee: 74.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
36Q4	5 Cr	ARRANGED	ARRANGED	04/01/19-06/18/19	19 210	Bowman, Michl	

LEADERSHIP

LEADR 100 LEADERSHIP I

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

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

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
0519	Var	ARRANGED	ARRANGED	04/01/19-06/18/19	ON LINE	Pau, Alison	ONLINE

LEADR 101 LEADERSHIP II

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

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
0520	Var	ARRANGED	ARRANGED	04/01/19-06/18/19	ON LINE	Pau, Alison	ONLINE

LIFESPAN PSYCHOLOGY

PSYC& 200 LIFESPAN PSYCHOLOGY

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

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
0569	5 Cr	ARRANGED	ARRANGED	04/01/19-06/18/19	ON LINE	Curry, Roger	ONLINE

MANUFACTURING TECHNOLOGIES

MCH 101 SHOP SAFETY

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

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>
7804	2 Cr	7:05AM-1:50PM	TTh	04/01/19-06/18/19	25 105	Dam, Ken	HYBRID

MCH 105 SHOP MATH/BLEUPRINT

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

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>
-------------	-------------	--------------	-------------	------------------------	-----------------	----------------	-----------------

7814 6 Cr 7:05AM-1:50PM TTh 04/01/19-06/18/19 25 105 Dam, Ken HYBRID

MCH 107 SHOP MATH/BLUEPRINT II

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

Additional Fee: 69.95

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
7824	6 Cr	7:05AM-1:50PM	TTh	04/01/19-06/18/19 25 105		Dam, Ken	HYBRID

MCH 109 SHOP MATH/BLUEPRINT III

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

Additional Fee: 69.95

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
7834	6 Cr	7:05AM-1:50PM	TTh	04/01/19-06/18/19 25 105		Dam, Ken	HYBRID

MCH 111 SHOP MACHINE AND TOOLS

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

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>
7844	6 Cr	7:05AM-1:50PM	TTh	04/01/19-06/18/19 25 105		Dam, Ken	HYBRID

MCH 117 LATHES I

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

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>
7854	6 Cr	7:05AM-1:50PM	TTh	04/01/19-06/18/19 25 105		Dam, Ken	HYBRID

MCH 121 SAFETY IN THE WORKPLACE

Progressively difficult operations on milling machines, with emphasis on setups, speeds, feeds, end milling, side milling, shell milling, drilling, and tapping. Actual machining jobs from industry may be utilized.

Prerequisite: Instructor's permission and MCH 101.

Additional Fee: 69.95

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
7864	6 Cr	7:05AM-1:50PM	TTh	04/01/19-06/18/19 25 105		Dam, Ken	HYBRID

MCH 122 LATHES & MILLS II

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

Additional Fee: 79.75

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
7874	8 Cr	7:05AM-1:50PM	TTh	04/01/19-06/18/19	25 105	Dam, Ken	HYBRID

MCH 125 LATHES & MILLS III

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

Additional Fee: 89.55

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
7884	10 Cr	7:05AM-1:50PM	TTh	04/01/19-06/18/19	25 105	Dam, Ken	HYBRID

MCH 126 LATHES & MILLS IV

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

Additional Fee: 79.75

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
7894	8 Cr	7:05AM-1:50PM	MW	04/01/19-06/18/19	25 105	Dam, Ken	HYBRID

MCH 129 SURFACE GRINDING

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

Additional Fee: 60.15

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
78A4	4 Cr	7:05AM-1:50PM	MW	04/01/19-06/18/19	25 105	Dam, Ken	HYBRID

MCH 133 TOOL & CUTTER GRINDER

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

Additional Fee: 65.05

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
78B4	5 Cr	7:05AM-1:50PM	MW	04/01/19-06/18/19	25 105	Dam, Ken	HYBRID

MCH 201 CATIA I

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

Additional Fee: 65.05

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
78C4	5 Cr	ARRANGED	ARRANGED	04/01/19-06/18/19	25 ARR	Dam, Ken	HYBRID

MCH 202 INTRODUCTION TO CNC

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

Additional Fee: 74.85

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
78D4	7 Cr	7:05AM-1:50PM	MW	04/01/19-06/18/19	25 105	Dam, Ken	HYBRID

MCH 203 CATIA II

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

Additional Fee: 55.25

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
78F4	3 Cr	ARRANGED	ARRANGED	04/01/19-06/18/19	25 ARR	Dam, Ken	HYBRID

MCH 206 CATIA III

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

Additional Fee: 55.25

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
78G4	3 Cr	ARRANGED	ARRANGED	04/01/19-06/18/19	25 ARR	Dam, Ken	HYBRID

MCH 211 MEASUREMENT INSPECTION & EQUIPMENT

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

Additional Fee: 89.55

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
78H4	10 Cr	7:05AM-1:50PM	MW	04/01/19-06/18/19	25 105	Dam, Ken	HYBRID

MCH 216 ADVANCED CNC

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

Additional Fee: 99.35

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
78J4	12 Cr	7:05AM-1:50PM	MW	04/01/19-06/18/19	25 105	Dam, Ken	HYBRID

MCH 219 CAREER OPPORTUNITIES

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

Additional Fee: 60.15

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
78K4	4 Cr	7:05AM-1:50PM	MW	04/01/19-06/18/19	25 105	Dam, Ken	HYBRID

MCH 223 INSPECTION TECHNIQUES

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

Additional Fee: 69.95

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
78L4	6 Cr	7:05AM-1:50PM	MW	04/01/19-06/18/19	25 105	Dam, Ken	HYBRID

MCH 229 METALLURGY & HEAT TREATMENT

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

Additional Fee: 60.15

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
78M4	4 Cr	7:05AM-1:50PM	MW	04/01/19-06/18/19	25 105	Dam, Ken	HYBRID

MCH 231 MANUFACTURING RESOURCES & RESEARCH

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

Additional Fee: 60.15

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
78N4	4 Cr	7:05AM-1:50PM	MW	04/01/19-06/18/19	25 105	Dam, Ken	HYBRID

MCH 240 TRAINING AND PRACTICE

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

Additional Fee: 89.55

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
78P4	Var	ARRANGED	ARRANGED	04/01/19-06/18/19	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>
1294	5 Cr	5:30PM-8:00PM	MW	04/01/19-06/17/19	08 108	Berhdt-Morro	HYBRID

MASST 112 SWEDISH MASSAGE THEORY

Introduces students to the history, application, and principles of Swedish massage. This includes not only the massage strokes, but also client safety, communication, and charting of results. Prerequisite(s): Potential students entering the program must test at college level (283 or higher) in reading on the Accuplacer or equivalent or have completed ENG 094. Students must also have documentation of training in standard first aid and CPR and a four-hour HIV/AIDS/blood-borne pathogens class prior to progressing to second quarter. A Washington State Patrol check will be required during the first quarter of study. Some results from the background check may prevent individuals from participating in certain classes. Co-requisites: MASST 112 must be taken concurrently with MASST 120.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
1274	4 Cr	5:30PM-7:00PM	TThF	04/02/19-06/18/19	08 305	Priest, Jason	

MASST 115 CLINICAL MASSAGE TECH

Covers a variety of massage techniques used in clinical massage. Students will learn and practice when and how to employ these techniques in order to safely and effectively treat their clients. Prerequisite:

Successful completion of the Swedish massage practitioner program, completion of a similar program from another accredited institution, or currently a Washington State licensed massage practitioner ""

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
1204	4 Cr	9:00AM-11:30AM	TF	04/02/19-05/31/19	08 305	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: 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>
1284	4 Cr	7:00PM-9:45PM	TThF	04/02/19-06/18/19	08 305	Priest, Jason	

MASST 123 CLINICAL APPLICATION OF MASSAGE THERAPY

Introduces and prepares the learner to recognize, assess, and effectively treat common musculoskeletal pathologies. Covers scope of practice, tissue healing, defining causes of injury, stages of rehabilitation, and common mistakes that massage therapists make. Prerequisite: Successful completion of Swedish Practitioner course or equivalent, or currently a Washington State licensed massage practitioner. "" e.

Additional Fee: 109.40

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
1214	4 Cr	12:15PM-3:30PM	TWF	04/02/19-05/31/19	08 305	Meziere, Yvon	

MASST 126 KINESIOLOGY: UPPER EXTREMITY

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

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
12A4	2 Cr	8:00PM-9:45PM	MW	04/01/19-06/17/19	08 305	Priest, Jason	

MASST 131 ASSESSMENT AND TREATMENT OF THE BACK

Detailed and extensive review of the structure and function of the back. Students will explore common musculoskeletal and neurological pathologies that can affect the back and formulate a treatment plan to safely and effectively assess and treat those conditions. Prerequisite: Successful completion of Swedish Practitioner course or equivalent, or currently a Washington State licensed massage practitioner. '

Additional Fee: 109.40

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
1224	2 Cr	9:00AM-3:30PM	TWF	06/04/19-06/18/19	08 305	Meziere, Yvon	

MASST 139 CLINICAL BUSINESS & ETHICS I

Prepares the learner to communicate with other healthcare practitioners through proper and thorough documentation. Prerequisite: Successful completion of Swedish Massage Practitioner program, completion of a similar program from another accredited institution, or currently a Washington State licensed massage practitioner. "" .

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
1234	1 Cr	12:30PM-3:30PM	W	04/03/19-06/12/19	08 305	Meziere, Yvon	

MASST 145 ORTHOPEDIC ASSESSMENT

Detailed analysis of joints, ligaments, and how movements are affected by surrounding structures. Integrating basic assessment and treatment of common musculoskeletal injuries and conditions. Prerequisite: Successful completion of MASST 126, MASST 130, MASST 137, and MASST 146 or currently a Washington State licensed massage practitioner. "" cense.

Additional Fee: 36.40

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
1244	4 Cr	9:00AM-3:30PM	Th	04/04/19-06/13/19	08 305	Meziere, Yvon	

MASST 147 CLINICAL MASSAGE ANATOMY AND PHYSIOLOGY I

Explores body systems with an emphasis on the common pathologies of those systems. In addition to covering the cause and effect of those pathologies, the learner will also be presented with the common allopathic treatment(s) their clients may be receiving for those conditions. Pharmacology will include effects and side-effects of the medications and how those relate to the indications and contraindications of massage. Prerequisite: Successful completion of Swedish Massage Practitioner program, completion of a similar program from another accredited institution, or currently a Washington State licensed massage practitioner. ""

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
1254	3 Cr	9:00AM-12:00PM	W	04/03/19-06/12/19	08 108	Scott, Patric	

MASST 158 PRACTICUM I

Allows students to choose and pursue individual workplace experience opportunities. This opportunity may be in a supervised internship setting, at on-site events, or at Clover Park Technical College's student-run massage clinic. Prerequisite(s): Successful completion of Swedish Massage Practitioner program, completion of a similar program from another accredited institution, or current Washington state massage practitioner license.

Additional Fee: 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>
1264	3 Cr	9:00AM-3:00PM	M	04/01/19-06/17/19	08 305	Meziere, Yvon	

MATH

MAT 092 PRE-ALGEBRA

Covers basic operations with whole numbers, fractions, decimals, percentages, ratios and proportions, signed numbers, algebraic expressions, linear equations, order of operations, basic geometry, units of measurement, and introduction to statistics. Self-paced math courses allow students to learn on their own at a flexible pace, within the quarter.' Instead of regularly scheduled lectures, students study with the help of a variety of resources: an interactive online math program, the instructor, and tutors available in the Learning Resource Center.' Once students have demonstrated mastery of a set of materials, they can move on to the next set of materials.' Students have the opportunity to complete anywhere between one (1) and three (3) developmental courses in one quarter (Math 092, Math 094, and Math 099).'
Prerequisite(s): Accuplacer arithmetic score of 230 or equivalent or higher.

Additional Fee: 24.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
5W09	5 Cr	9:00AM-10:20AM	MTW	04/01/19-06/17/19	16 202	Sandoval, L	HYBRID
5W11	5 Cr	11:00AM-11:50AM	MTW	04/01/19-06/18/19	16 116	Mollas, Tula	HYBRID
5W17	5 Cr	8:00AM-8:50AM	DAILY	04/01/19-06/17/19	16 202	Sandoval, L	HYBRID
5W20	5 Cr	9:00AM-9:50AM	MWF	04/01/19-06/17/19	16 208	Schmeling, L	HYBRID

5W29	5 Cr	11:00AM-11:50AM	DAILY	04/01/19-06/18/19	16 113	Alexander, Di	HYBRID
5W32	5 Cr	1:00PM-3:20PM	MW	04/01/19-06/17/19	16 202	Sandoval, L	HYBRID
5W41	5 Cr	4:00PM-6:20PM	MW	04/01/19-06/17/19	16 113	Alexander, Di	HYBRID
5W44	5 Cr	ARRANGED	ARRANGED	04/01/19-06/18/19	ON LINE	Mollas, Tula	ONLINE
5W10	5 Cr	10:00AM-12:20PM	TTh	04/02/19-06/18/19	15 111	Parnell, Sam	HYBRID
5W26	Var	10:00AM-12:20PM	MW	04/02/19-06/18/19	15 111	Parnell, Sam	HYBRID
5W35	5 Cr	1:30PM-3:00PM	TTh	04/02/19-06/18/19	SHC107	Alexander, Di	HYBRID
5W38	5 Cr	1:30PM-4:00PM	TTh	04/02/19-06/18/19	15 111	Parnell, Sam	HYBRID
5W23	5 Cr	9:00AM-2:30PM	Sa	04/06/19-06/15/19	15 111	Parnell, Sam	HYBRID

MAT 094 INTRODUCTION TO ALGEBRA

Develops algebraic topics, including algebraic expressions, solving linear equations and inequalities, coordinate graphing, systems of equations, polynomials, factoring, and introduction to rational expressions. Prerequisite(s): Accuplacer quantitative score of 230 or equivalent or successful completion of MAT 092 is required. Self-paced math courses allow students to learn on their own at a flexible pace, within the quarter. Instead of regularly scheduled lectures, students study with the help of a variety of resources: an interactive online math program, the instructor, and tutors available in the Learning Resource Center. Once students have demonstrated mastery of a set of materials, they can move on to the next set of materials. Students have the opportunity to complete anywhere between one (1) and three (3) developmental courses in one quarter (Math 092, Math 094, and Math 099). Spring Self-Paced lab item numbers (5W18, 5W21, 5W24, 5W27, 5W30, 5W33, 5W36, 5W39, & 5W42)

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>
5W12	5 Cr	10:00AM-10:50AM	MTW	04/01/19-06/17/19	16 116	Mollas, Tula	HYBRID
5W13	5 Cr	2:00PM-2:50PM	DAILY	04/01/19-06/18/19	15 111	Parnell, Sam	HYBRID
5W14	5 Cr	3:00PM-3:50PM	DAILY	04/01/19-06/18/19	16 116	Mollas, Tula	HYBRID
5W18	5 Cr	8:00AM-8:50AM	DAILY	04/01/19-06/17/19	16 202	Sandoval, L	HYBRID
5W21	5 Cr	9:00AM-9:50AM	MWF	04/01/19-06/17/19	16 208	Schmeling, L	HYBRID
5W30	5 Cr	11:00AM-11:50AM	DAILY	04/01/19-06/18/19	16 113	Alexander, Di	HYBRID
5W33	5 Cr	1:00PM-3:20PM	MW	04/01/19-06/17/19	16 202	Sandoval, L	HYBRID
5W42	5 Cr	4:00PM-6:20PM	MW	04/01/19-06/17/19	16 113	Alexander, Di	HYBRID
5W27	Var	10:00AM-12:20PM	MW	04/02/19-06/18/19	15 111	Parnell, Sam	HYBRID
5W36	5 Cr	1:30PM-3:00PM	TTh	04/02/19-06/18/19	SHC107	Alexander, Di	HYBRID
5W39	5 Cr	1:30PM-4:00PM	TTh	04/02/19-06/18/19	15 111	Parnell, Sam	HYBRID
5W24	5 Cr	9:00AM-2:30PM	Sa	04/06/19-06/15/19	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. Self-paced math courses allow students to learn on their own at a flexible pace, within the quarter. Instead of regularly scheduled lectures, students study with the help of a variety of resources: an interactive online math program, the instructor, and tutors available in the Learning Resource Center. Once students have demonstrated mastery of a set of materials, they can move on to the next set of materials. Students have the opportunity to complete anywhere between one (1) and three (3) developmental courses in one quarter (Math 092, Math 094, and Math 099). Spring Self-paced labs item numbers (5W19, 5W22, 5W25, 5W28, 5W31, 5W34, 5W37, 5W40 & 5W43).

<u>Item</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	ARRANGED	ARRANGED	04/01/19-06/18/19	ON LINE	Schmeling, L	ONLINE

5W16	5 Cr	12:00PM-12:50PM	DAILY	04/01/19-06/18/19	16 202	Sandoval, L	HYBRID
5W19	5 Cr	8:00AM-8:50AM	DAILY	04/01/19-06/17/19	16 202	Sandoval, L	HYBRID
5W22	5 Cr	9:00AM-9:50AM	MWF	04/01/19-06/17/19	16 208	Schmeling, L	HYBRID
5W31	5 Cr	11:00AM-11:50AM	DAILY	04/01/19-06/18/19	16 113	Alexander, Di	HYBRID
5W34	5 Cr	1:00PM-3:20PM	MW	04/01/19-06/17/19	16 202	Sandoval, L	HYBRID
5W43	5 Cr	4:00PM-6:20PM	MW	04/01/19-06/17/19	16 113	Alexander, Di	HYBRID
5W28	Var	10:00AM-12:20PM	MW	04/02/19-06/18/19	15 111	Parnell, Sam	HYBRID
5W37	5 Cr	1:30PM-3:00PM	TTh	04/02/19-06/18/19	SHC107	Alexander, Di	HYBRID
5W40	5 Cr	1:30PM-4:00PM	TTh	04/02/19-06/18/19	15 111	Parnell, Sam	HYBRID
5W25	5 Cr	9:00AM-2:30PM	Sa	04/06/19-06/15/19	15 111	Parnell, Sam	HYBRID

MAT 103 BUSINESS MATHEMATICS

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

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
0544	5 Cr	ARRANGED	ARRANGED	04/01/19-06/18/19	ON LINE	Schmeling, L	ONLINE
0543	5 Cr	10:00AM-12:20PM	TTh	04/02/19-06/18/19	16 208	Schmeling, L	HYBRID
0579	5 Cr	8:30AM-10:00AM		04/08/19-06/18/19	16 205	Stultz, Dougl	HYBRID

MAT 105 MAT 105 MATH FOR INDUSTRIAL PROFESSIONS

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

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
0545	5 Cr	10:00AM-10:50AM	MTTh	04/01/19-06/17/19	14 208	Alexander, Di	HYBRID
0546	5 Cr	ARRANGED	ARRANGED	04/01/19-06/18/19	ON LINE	Stultz, Dougl	ONLINE

MAT 108 MATH FOR HEALTH OCCUPATIONS

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

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>
0547	5 Cr	3:00PM-3:50PM	DAILY	04/01/19-06/18/19	16 208	Sweerus, Neil	HYBRID
0548	5 Cr	ARRANGED	ARRANGED	04/01/19-06/18/19	ON LINE	Sweerus, Neil	ONLINE

MAT 111 MATH FOR COSMOTOLOGY/ESTHETICS PROFESSIONALS

This course is designed to prepare students interested in the cosmetology career to gain confidence in the mathematics and problem solving they may encounter. Topics covered include: methods of mathematical operations; order of operations; fractions; percentages; decimals; mathematical expressions and equation; solving variable equations and formulas; markdowns and markups; simple business math calculations; unit analysis, including US and metric measuring systems; time management; handling payroll. Prerequisite(s): Successful completion of MAT 093.

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

0550 5 Cr ARRANGED ARRANGED 04/01/19-06/18/19 ON LINE Stultz, Dougl ONLINE

MATH& 107 MATH IN SOCIETY

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

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
0549	5 Cr	ARRANGED	ARRANGED	04/01/19-06/18/19	ON LINE	Stultz, Dougl	ONLINE

MATH& 141 PRECALCULUS I

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

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
0551	5 Cr	ARRANGED	ARRANGED	04/01/19-06/18/19	ON LINE	Alexander, Di	ONLINE
0552	5 Cr	11:00AM-11:50AM	MW	04/01/19-06/18/19	16 208	Schmeling, L	HYBRID

MATH& 142 PRECALCULUS II

Covers circular, trigonometric, and inverse-trigonometric functions and graphs; trigonometric and inverse trigonometric identities; trigonometric equations; vectors and elementary vector operations; De Moivre's theorem and equations with complex solutions; and polar and parametric equations and their graphs. Graphing calculator required. Prerequisite(s): Appropriate Accuplacer advanced algebra score of 263 or equivalent or successful completion of MATH& 141 or equivalent.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
0553	5 Cr	ARRANGED	ARRANGED	04/01/19-06/18/19	ON LINE	Schmeling, L	ONLINE

MATH& 146 INTRODUCTION TO STATISTICS

Descriptive and inferential statistics, including measures of central tendency, dispersion or variation, and skewness. Students are introduced to basic concepts in probability, as well as discrete and continuous probability distribution functions. Statistical inference includes sampling, elementary experimental design, and hypothesis testing using normal, student's T, and F-distributions; linear regression and correlation; and the chi-square distribution. Graphing calculator is required. Prerequisite(s): Appropriate Accuplacer advanced algebra score of 263 or equivalent or successful completion of MAT 099 is required.

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>
0554	5 Cr	4:00PM-4:50PM	DAILY	04/01/19-06/18/19	16 208	Sweerus, Neil	HYBRID
0555	5 Cr	ARRANGED	ARRANGED	04/01/19-06/18/19	ON LINE	Sweerus, Neil	ONLINE

MECHATRONICS

MEC 115 DC CIRCUITS

Covers DC electrical terms, equations and theory. Presents techniques used for solving problems involving resistance, voltage, and current in circuits. Presents fundamental laws and relationships applied to the analysis of circuits, including capacitors and/or inductors. Basic circuit fabrication techniques and standard instrumentation used in test and measurement of DC circuits will also be covered. Prerequisite(s): Prerequisite or co-requisite: MAT 099 or higher or appropriate placement. Co-requisite MEC 140.

Additional Fee: 44.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
MQ44	Var	7:30AM-3:15PM	MTWTh	04/01/19-06/18/19	25 103	Sawatzki, Jas	HYBRID

MEC 120 COMPUTER AIDED DESIGN I

Introduces the use of parametric computer-aided design (CAD) software to design parts working from engineering sketches and/or prototypes.

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>
MQ74	5 Cr	7:30AM-3:15PM	MTWTh	04/01/19-06/18/19	25 103	Sawatzki, Jas	HYBRID

MEC 128 APPLIED STATICS AND STRENGTHS OF MATERIALS

Study of forces acting on structures at rest: free-body diagrams, trusses, friction and related material, which may include hydrostatic pressures and loads, cables and arches. Includes analysis of tension, compression, shear, deformation, and stress acting on members. Also includes analysis of material properties and their classification and characterization. Prerequisite(s): Successful completion of MAT 141 Pre-Calculus (or higher).

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>
MQ94	Var	7:30AM-3:15PM	MTWTh	04/01/19-06/18/19	25 103	Wenngren, Car	HYBRID

MEC 135 DIGITAL ELECTRONICS AND NETWORKING

Introduces logic fundamentals, numbering systems, codes, gates, truth tables, basic Boolean theorems, and combination logic circuits. Also introduces the elements used to create TCP/IP-based industrial networks, including switches, routers, and firewalls. The course will include network troubleshooting and the use of network diagnostic tools. Prerequisite(s): Successful completion of MEC 115. Co-requisite: MEC 160

Additional Fee: 44.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
MQB4	5 Cr	7:30AM-3:15PM	MTWTh	04/01/19-06/18/19	25 103	Sawatzki, Jas	HYBRID

MEC 140 COMPUTER PROGRAMMING

Introduces computer programming and problem solving. Topics include language syntax, data types, program organization, algorithm design, and logic control structures. Also covers program design techniques, such as flowcharts and the use of pseudocode. Co-requisite MEC 115.

Additional Fee: 44.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
MQ54	Var	7:30AM-3:15PM	MTWTh	04/01/19-06/18/19	25 103	Wenngren, Car	HYBRID

MEC 160 PROGRAMMABLE CONTROLS I

Covers programmable logic controller (PLC) architecture, configuration, and programming. Teaches students what PLCs do and where they are used. Introduces the Relay Ladder Diagram (RLD) programming language. Students will write and test PLC RLD programs and create a PLC system using

digital and analog I/O simulators. Prerequisite(s): Successful completion of MEC 140. Co-requisite: MEC 135.

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>
MQ64	5 Cr	7:30AM-3:15PM	MTWTh	04/01/19-06/18/19	25 103	Wenngren, Car	HYBRID

MEC 165 ROBOTICS

Covers basic robot terminology and operational skills, including safety, moving a robot in joint and world modes, and creating Teach Pendant programs. Students will also learn about preventative maintenance and program a robot to carry out simple tasks representative of industrial practice. Prerequisite(s): Successful completion of MEC 140.

Additional Fee: 44.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
MQ84	5 Cr	7:30AM-3:15PM	MTWTh	04/01/19-06/18/19	25 103	Wenngren, Car	HYBRID

MEC 173 APPLIED MECHATRONICS

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

Additional Fee: 44.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
MQA4	5 Cr	7:30AM-3:15PM	MTWTh	04/01/19-06/18/19	25 103	Wenngren, Car	HYBRID

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.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
MQF4	5 Cr	ARRANGED	ARRANGED	04/01/19-06/18/19	25 103	Sawatzki, Jas	

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.

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>
MQC4	5 Cr	7:30AM-3:15PM	MTWTh	04/01/19-06/18/19	25 103	Sawatzki, Jas	HYBRID

MEC 290 MECHATRONICS CAPSTONE PROJECT

A required capstone project to be completed prior to graduation as a final check of competency. Students meet in person with an instructor and agree to a project that will apply the skills and competencies that students have acquired in the program, and that will result in a portfolio piece showcasing their abilities. Students must submit, at or before registration, a description and timetable for completion, signed by both

the instructor supervising the capstone project and the student. This course is to be taken the final quarter of the program. Prerequisite(s): Instructor permission.

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>
MQD4 5 Cr		7:30AM-3:15PM	MTWTh	04/01/19-06/18/19	25 103	Sawatzki, Jas	HYBRID

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>
38B4 4 Cr		4:00PM-7:00PM	MW	04/01/19-06/18/19	21 108	Yarbough, Kis	HYBRID

MAP 124 BODY SYSTEMS APPLICATIONS 101

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

Additional Fee: 27.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
38C4 3 Cr		4:00PM-7:00PM	TTh	04/02/19-06/18/19	21 108	Yarbough, Kis	HYBRID

MAP 146 BODY SYSTEMS APPLICATIONS 102

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

Additional Fee: 27.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
3834 4 Cr		9:30AM-12:30PM	MW	04/03/19-06/12/19	21 122	Gowan, Amy	HYBRID

MAP 147 BODY SYSTEMS THEORY 102

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

Additional Fee: 19.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
3824 4 Cr		9:30AM-12:30PM	TTh	04/02/19-06/13/19	21 111	Gowan, Amy	HYBRID

MAP 164 BODY SYSTEMS APPLICATIONS 103

Practice fundamental skills relating to Body Systems Theory 103. Skills include wound and burn care;

assisting with application and removal of sutures, surgical staples and casting; asepsis and infection control; identifying surgical instruments and proper care of instruments; assisting with minor office surgery; and operating the autoclave. Also includes activities related to safety and emergency practices.

Prerequisite(s): Successful completion of MAP 146 and MAP 147. Co-requisites: MAP 166 and MAP 209.

Additional Fee: 27.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
3874	4 Cr	12:00PM-3:00PM	TTh	04/02/19-06/13/19	21 108	Jones, Michel	HYBRID

MAP 166 BODY SYSTEMS THEORY 103

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

Additional Fee: 19.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
3864	4 Cr	12:00PM-3:00PM	MW	04/01/19-06/12/19	21 108	Jones, Michel	HYBRID

MAP 171 AUTOMATED COMPUTER APPLICATIONS

Practice fundamental skills relating to ICD-10 and CPT coding using computers. Includes computerized patient scheduling and procedures for accounts receivable management for both private patients and insurance companies. Prerequisite(s): Completion of the course's listed MAP 182 and MAP 184. Co-requisites: MAP 179.

Additional Fee: 19.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
3814	4 Cr	1:30PM-4:30PM	MTWTh	05/20/19-06/17/19	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 092 or higher. Completion of MAP 171 and MAP 179. Co-requisites: MAP 177 and MAP 209.

Additional Fee: 19.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
3844	4 Cr	8:00AM-11:00AM	MTWTh	04/01/19-05/13/19	21 108	Jones, Michel	HYBRID

MAP 177 FINANCIAL PRACTICES

Continues developing skills from Accounting Practices course. Instruction also includes bank accounts, cash funds, and methods of preparation for employee and employer payroll and business taxes.

Prerequisite(s): MAT 092 or higher. Successful completion of MAP 171 and MAP 179. Co-requisites: MAP 173 and MAP 209.

Additional Fee: 9.80

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
3854	2 Cr	8:00AM-11:00AM	MTWTh	05/15/19-06/13/19	21 108	Jones, Michel	HYBRID

MAP 179 HEALTH INSURANCE, CODING PRACTICES & BILL COLLEC

Acquire information regarding private and public insurance programs. Practice fundamental skills relating to ICD-10 and CPT. Included are patient scheduling and procedures for accounts receivable management for both private patients and insurance companies. Prerequisite(s): Completion of the course's listed MAP 182 and MAP 184. Co-requisites: MAP 171.

Additional Fee: 119.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
3804	5 Cr	1:30PM-4:30PM	MTWTh	04/02/19-05/16/19	21 111	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>
3894	4 Cr	7:30PM-10:00PM	DAILY	04/01/19-05/10/19	21 108	Yarbough, Kis	HYBRID

MAP 184 MEDICAL RECORDS MANAGEMENT

Instruct and apply knowledge relating to medical records, including the creation, management, and legality of both the paper and electronic record, as well as filing systems utilized within the health care office.

Focus will also include assisting patients in obtaining health and community services, as well as supplies and inventory control. Prerequisite(s): Successful completion of CAH 102, CAH 105CL, COLL 102, and MAP 107. Co-requisites: MAP 182.

Additional Fee: 14.70

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
38A4	3 Cr	7:30PM-9:30PM	DAILY	05/13/19-06/18/19	21 108	Yarbough, Kis	HYBRID

MAP 209 EXTERNSHIP PREPARATION I

Introduction of pharmacology math (with estimation components), administering oral and parental (intramuscular, subcutaneous, and intradermal) medications, performance of phlebotomy and microbiology while adhering to medical/surgical asepsis and universal/standard precautions. Also included are student demonstrations of patient flow and uploading immunizations into the college designated database.

Prerequisite(s): Successful completion of MAP's 121, 124, 147, 146, 179, 171, 182, and 184. This course must be taken the quarter immediately prior to Quarter 5 courses. If more than one quarter passes before beginning Quarter 5, students will have to repeat this course. Co-requisites: MAP's 164, 166, 173, and 177.

Additional Fee: 14.70

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
3884	3 Cr	8:30AM-2:30PM	F	04/05/19-06/14/19	21 122	Jones, Michel	HYBRID

MEDICAL HISTOLOGY

HISTO 135 HISTOTECHNOLOGY III

Covers theory and techniques learned in Histotechnology I and II. Students will study more complicated special stains, focusing on methods used for microorganisms, pigments, minerals, the nervous system, connective tissue, and muscle stains. Prerequisite(s): Successful completion of HISTO 120, HISTO 125 and HISTO 130.

Additional Fee: 49.00

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

5604 10 Cr 7:00AM-3:00PM MTWTh 04/01/19-06/18/19 21 232 Haggerty, Reb ENHANCED

HISTO 140 HISTOTECHNOLOGY LAB III

Expands upon the knowledge and techniques learned in HistoTechnology Lab I and II. Students perform more complicated special stains focusing on methods used to demonstrate microorganisms, pigments, and minerals. Students also perform special stains commonly run on brain, muscle, and connective tissue. ""

Co-requisites: HISTO 135.

Additional Fee: 43.25

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
5614	5 Cr	7:00AM-3:00PM	MTWTh	04/01/19-06/18/19 21 232		Haggerty, Reb	ENHANCED

HISTO 145 IMMUNOHISTOCHEMISTRY

Covers basic immunohistochemistry theory and techniques. "" Co-requisites: HISTO 135 and HISTO 140.

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>
5624	5 Cr	7:00AM-3:00PM	MTWTh	04/01/19-06/18/19 21 232		Haggerty, Reb	HYBRID

MEDICAL LABORATORY TECHNICIAN

MLT 110 INTRODUCTION TO THE LABORATORY

Orients students to the campus, the program, and the laboratory field. Covers school and program policies, the metric system, basic techniques, microscopy, physiological processes, medical terminology, and laboratory organization. A large block of time is dedicated to discussing laboratory safety and standard precautions, HIPAA, and professionalism. These topics are then integrated into the applied academic courses for the remainder of the program. Prerequisite(s): Completion of a college course in biology with lab and a college course in chemistry with lab, with a grade of 'B' or better. Review microscopy, standard precautions, and the basic concepts of quality assurance plans in the Hematology laboratory before studying the red blood cell production, function, and relevant red blood cell morphology. Study of erythrocytes and leukocytes will include principles of production, function, normal reference ranges, and associated diseases. Assigned online Sysmex learning modules will be administered to gain a better understanding and correlation of analyzer results with performed manual differentials. Laboratory practice includes manual and automated counting of all cell types, and routine basic procedures in a Hematology laboratory. Students will have the opportunity to meet with clinical lab managers and supervisors at the Meet and Greet, where students will display their assigned presentation topic's poster board that they have created. Prerequisite(s): Successful completion of MLT 110 and 208.

Additional Fee: 104.80

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4804	Var	9:00AM-4:00PM	MTWTh	04/02/19-04/05/19 21 222		Colon Gabrie	HYBRID

MLT 205 HEMATOLOGY

Review microscopy, standard precautions, and the basic concepts of quality assurance plans in the Hematology laboratory before studying the red blood cell production, function, and relevant red blood cell morphology. Study of erythrocytes and leukocytes will include principles of production, function, normal reference ranges, and associated diseases. Assigned online Sysmex learning modules will be administered to gain a better understanding and correlation of analyzer results with performed manual differentials. Laboratory practice includes manual and automated counting of all cell types, and routine basic procedures in a Hematology laboratory. Students will have the opportunity to meet with clinical lab

managers and supervisors at the Meet and Greet, where students will display their assigned presentation topic's poster board that they have created. Prerequisite(s): Successful completion of MLT 110 and 208.

Additional Fee: 53.90

<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>
4814	Var	9:00AM-4:00PM	MTWTh	04/22/19-05/24/19	21 222	Colon Gabrie	HYBRID

MLT 207 HEMOSTASIS

This course begins with the study of production and function of thrombocytes, including counts, function tests, and associated diseases; it continues with the processes involved in coagulation (hemostasis), both primary and secondary, and culminates with a discussion of fibrinolysis. Normal coagulation activities, as well as coagulation deficiencies, are presented, and routine coagulation procedures are performed in the student laboratory. This course is offered in spring quarter. Prerequisite(s): Successful completion of MLT 205.

Additional Fee: 47.65

<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>
4824	Var	9:00AM-4:00PM	MTWTh	05/28/19-05/31/19	21 222	Colon Gabrie	HYBRID

MLT 209 PHLEBOTOMY/PROCESSING

Learn to collect both venous and capillary blood specimens, as well as to separate plasma or serum from cells, when necessary for testing. The color-coding of evacuated tubes, the specimen requirements for major procedures, and, particularly, the practice of standard precautions are all stressed throughout the course. This course is offered spring quarter, and skills development continues through summer and fall quarters prior to the clinical experience. Prerequisite(s): Successful completion of MLT 110.

Additional Fee: 47.65

<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>
4834	Var	9:00AM-4:00PM	MTWTh	04/08/19-04/18/19	21 222	Colon Gabrie	HYBRID

MLT 211 IMMUNOLOGY

MLT 211 IMMUNOLOGY 5CR Covers the immune process in terms of active-versus-passive, innate-versus-acquired, and humoral-versus-cell-mediated immunities. Laboratory procedures employing a variety of in vitro demonstrations of antigen-antibody reactions are performed. This course is offered spring quarter. Prerequisite(s): Successful completion of MLT 207.

Additional Fee: 52.55

<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>
4844	Var	9:00AM-4:00PM	MTWTh	04/22/19-06/03/19	21 222	Colon Gabrie	HYBRID

NON DESTRUCTIVE TESTING

NDT 108 INTRODUCTION TO NDT

Provides an overview of terms, definitions, and method overview of nondestructive testing. Methods include: eddy current liquid penetrant, magnetic particle, radiography, and ultrasonic testing.

Additional Fee: 69.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
0974	5 Cr	9:00AM-1:30PM	DAILY	04/01/19-06/18/19	SHC118	Gilmore, Mich	

NDT 113 MATERIALS AND PROCESS FOR NDT 1

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

Additional Fee: 69.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
0984	5 Cr	9:00AM-1:30PM	DAILY	04/01/19-06/18/19	SHC115	Gilmore, Mich	

NDT 120 VISUAL AND OPTICAL TESTING

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

Additional Fee: 45.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
09P4	5 Cr	9:00AM-1:00PM	DAILY	04/01/19-06/18/19	SHC119	Evans, Dougla	HYBRID

NDT 121 MATERIALS AND PROCESS FOR NDT II

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

Additional Fee: 69.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
0994	5 Cr	9:00AM-1:30PM	DAILY	04/01/19-06/18/19	SHC115	Gilmore, Mich	

NDT 125 MAGNETIC PARTICLE TESTING

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

Additional Fee: 45.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
09Q4	5 Cr	9:00AM-1:00PM	DAILY	04/01/19-06/18/19	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: 45.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
09R4	5 Cr	9:00AM-1:00PM	DAILY	04/01/19-06/18/19	SHC119	Evans, Dougla	HYBRID

NDT 160 RADIOGRAPHIC TESTING I

Introduces radiographic principals, terms, definitions, and basic theory. Basics covered give an understanding of how an X-ray tube generates X-radiation and how the use of radiation will provide a finished product. Explores basic use of X-ray film, film speed, and film processing. Introduction to finished film quality and interpretation. Introduction to procedures using radiographic standards and codes. Introduces film interpretation for welds, castings, and nonmetallic materials, teaching accept-reject criteria.

Additional Fee: 190.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
09A4	5 Cr	8:00AM-12:30PM	DAILY	04/01/19-06/18/19	SHC	Musson, Chuck	

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</u>	<u>Faculty</u>	<u>Internet</u>
09S4	5 Cr	1:45PM-4:15PM	MW	04/01/19-06/18/19	SHC114	Thompson	

NDT 190 RADIOGRAPHIC TESTING II

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

Additional Fee: 190.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
09B4	5 Cr	8:00AM-12:30PM	DAILY	04/01/19-06/18/19	SHC	Musson, Chuck	

NDT 230 RADIOGRAPHIC TESTING III

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

Additional Fee: 69.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
09C4	5 Cr	8:00AM-12:30PM	DAILY	04/01/19-06/18/19	SHC	Musson, Chuck	

NDT 240 CAPSTONE PROJECT

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

Additional Fee: 59.70

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
09M4	3 Cr	ARRANGED	DAILY	04/01/19-06/18/19	SHC114	Musson, Chuck	

NDT 250 NDT INTERNSHIP

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

Additional Fee: 98.90

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
09N4	Var	ARRANGED	DAILY	04/01/19-06/18/19	SHC114	Musson, Chuck	

NURSING ASSISTANT

NAC 108 NURSING ASSISTANT THEORY

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

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
NS44	5 Cr	1:45PM-5:30PM	MTWTh	04/01/19-06/18/19	21 211	Staff	
NS74	Var	1:30PM-5:30PM	MTWTh	04/01/19-06/18/19	21 211	Loosli, Mehrn	
NST4	5 Cr	4:00PM-8:00PM	MTWTh	04/01/19-06/18/19	21 210	Mensonides, S	
NS04	5 Cr	8:00AM-2:30PM	TWTh	04/02/19-04/18/19	21 211	Sword, Yvette	

NAC 111 NURSING SKILL FUNDAMENTALS

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

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
NS54	2 Cr	1:45PM-5:30PM	MTWTh	04/01/19-06/18/19	21 211	Staff	
NS84	2 Cr	1:30PM-5:30PM	MTWTh	04/01/19-06/18/19	21 211	Loosli, Mehrn	
NSF4	2 Cr	4:00PM-9:00PM	MTWTh	04/01/19-06/18/19	21 210	Mensonides, S	
NS14	2 Cr	8:00AM-2:30PM	MT	04/22/19-06/18/19	21 137	Sword, Yvette	
NS24	2 Cr	8:00AM-2:30PM	WTh	04/22/19-06/18/19	21 137	Sword, Yvette	

NAC 114 UNIT BASED CLINICAL EXPERIENCE

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

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
NS64	2 Cr	1:45PM-5:30PM	MTWTh	04/01/19-06/18/19	21 211	Staff	
NS94	2 Cr	1:30PM-5:30PM	MTWTh	04/01/19-06/18/19	21 211	Loosli, Mehrn	
NSC4	2 Cr	ARRANGED	ARRANGED	04/01/19-06/18/19	ARRARR	Mensonides, S	
NS34	2 Cr	ARRANGED	ARRANGED	04/22/19-06/18/19	ARR	Sword, Yvette	HYBRID

NURSING ASSISTANT I-BEST

NAC 108 NURSING ASSISTANT THEORY

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

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
NS44	5 Cr	1:45PM-5:30PM	MTWTh	04/01/19-06/18/19	21 211	Staff	
NS74	Var	1:30PM-5:30PM	MTWTh	04/01/19-06/18/19	21 211	Loosli, Mehrn	
NST4	5 Cr	4:00PM-8:00PM	MTWTh	04/01/19-06/18/19	21 210	Mensonides, S	
NS04	5 Cr	8:00AM-2:30PM	TWTh	04/02/19-04/18/19	21 211	Sword, Yvette	

NAC 111 NURSING SKILL FUNDAMENTALS

This course covers instruction and practice of nursing assistant skills. Students will not be allowed to

participate in the final skills exam unless attendance for all clinical hours has been fulfilled. Prerequisite(s): Documentation of required immunizations, ability to lift up to 50 pounds, and 'No Record On File' from the Washington State Patrol and DSHS. Successful completion of NAC 108.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
NS54	2 Cr	1:45PM-5:30PM	MTWTh	04/01/19-06/18/19	21 211	Staff	
NS84	2 Cr	1:30PM-5:30PM	MTWTh	04/01/19-06/18/19	21 211	Loosli, Mehrn	
NSF4	2 Cr	4:00PM-9:00PM	MTWTh	04/01/19-06/18/19	21 210	Mensonides, S	
NS14	2 Cr	8:00AM-2:30PM	MT	04/22/19-06/18/19	21 137	Sword, Yvette	
NS24	2 Cr	8:00AM-2:30PM	WTh	04/22/19-06/18/19	21 137	Sword, Yvette	

NAC 114 UNIT BASED CLINICAL EXPERIENCE

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

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
NS64	2 Cr	1:45PM-5:30PM	MTWTh	04/01/19-06/18/19	21 211	Staff	
NS94	2 Cr	1:30PM-5:30PM	MTWTh	04/01/19-06/18/19	21 211	Loosli, Mehrn	
NSC4	2 Cr	ARRANGED	ARRANGED	04/01/19-06/18/19	ARRARR	Mensonides, S	
NS34	2 Cr	ARRANGED	ARRANGED	04/22/19-06/18/19	ARR	Sword, Yvette	HYBRID

NURSING PRACTICAL-NURSING

NURS 117 FUNDAMENTALS OF NURSING

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

Instructor Permission required.

Additional Fee: 116.25

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
8004	4 Cr	7:30AM-11:30AM	W	04/03/19-06/18/19	21 210	Hernandez, Ka	HYBRID

NURS 120 MEDICAL-SURGICAL NURSING I

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

Instructor Permission required.

Additional Fee: 95.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
8014	3 Cr	8:00AM-11:00AM	W	04/03/19-06/18/19	21 210	Dadashova, Ir	HYBRID

NURS 121 NURSING CLINICAL SKILLS & DATA COLLECTION I

Students will demonstrate competence in selected nursing skills using simulation equipment and other

nursing students as clients. Prerequisite(s): Admission to Practical Nursing program.

Instructor Permission required.

Additional Fee: 25.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
8024	6 Cr	12:00PM-4:30PM	M	04/01/19-06/18/19	21 210	Gafken, Laura	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>
8034	3 Cr	8:00AM-11:00AM	T	04/02/19-06/18/19	21 210	Carver, Rober	HYBRID

NURS 131 MEDICAL-SURGICAL NURSING II

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

Additional Fee: 116.25

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
8044	3 Cr	8:00AM-11:00AM	T	04/02/19-06/18/19	21 211	Hernandez, Ka	HYBRID

NURS 133 MEDICAL-SURGICAL NURSING III

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

Additional Fee: 116.25

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
8074	4 Cr	7:30AM-11:30AM	M	04/01/19-06/18/19	21 108	Westberry, Ca	HYBRID

NURS 134 PHARMACOLOGY IN NURSING

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

Additional Fee: 25.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
8054	5 Cr	8:00AM-12:00PM	T	04/02/19-06/18/19	21 211	Ovechka, Soph	HYBRID

NURS 137 NURSING CLINICAL SKILLS & DATA COLLECTION II

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

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
8064	5 Cr	1:00PM-2:30PM	M	04/01/19-06/18/19	21 211	Hernandez, Ka	HYBRID

NURS 140 MATERNITY & PEDIATRIC NURSING

Additional Fee: 25.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
8084	3 Cr	12:30PM-3:30PM	M	04/01/19-06/18/19	21 108	Ovechka, Soph	HYBRID

NURS 149 CLINICAL PRACTICUM I

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

Additional Fee: 14.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
8094	5 Cr	ARRANGED	ARRANGED	04/01/19-06/18/19	ARR	Westberry, Ca	HYBRID

NURS 153 CLINICAL PRACTICUM II

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

Additional Fee: 14.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
80A4	5 Cr	ARRANGED	ARRANGED	04/01/19-06/18/19	ARR	Westberry, Ca	HYBRID

NURSING RN-OPTION

NURS 117 FUNDAMENTALS OF NURSING

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

Instructor Permission required.

Additional Fee: 116.25

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
8004	4 Cr	7:30AM-11:30AM	W	04/03/19-06/18/19	21 210	Hernandez, Ka	HYBRID

NURS 120 MEDICAL-SURGICAL NURSING I

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

Instructor Permission required.

Additional Fee: 95.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
8014	3 Cr	8:00AM-11:00AM	W	04/03/19-06/18/19	21 210	Dadashova, Ir	HYBRID

NURS 121 NURSING CLINICAL SKILLS & DATA COLLECTION I

Students will demonstrate competence in selected nursing skills using simulation equipment and other nursing students as clients. Prerequisite(s): Admission to Practical Nursing program.

Instructor Permission required.

Additional Fee: 25.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
8024	6 Cr	12:00PM-4:30PM	M	04/01/19-06/18/19	21 210	Gafken, Laura	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>
8034	3 Cr	8:00AM-11:00AM	T	04/02/19-06/18/19	21 210	Carver, Rober	HYBRID

NURS 131 MEDICAL-SURGICAL NURSING II

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

Additional Fee: 116.25

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
8044	3 Cr	8:00AM-11:00AM	T	04/02/19-06/18/19	21 211	Hernandez, Ka	HYBRID

NURS 133 MEDICAL-SURGICAL NURSING III

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

Additional Fee: 116.25

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
8074	4 Cr	7:30AM-11:30AM	M	04/01/19-06/18/19	21 108	Westberry, Ca	HYBRID

NURS 134 PHARMACOLOGY IN NURSING

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

Additional Fee: 25.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
8054	5 Cr	8:00AM-12:00PM	T	04/02/19-06/18/19	21 211	Ovechka, Soph	HYBRID

NURS 137 NURSING CLINICAL SKILLS & DATA COLLECTION II

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

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
8064	5 Cr	1:00PM-2:30PM	M	04/01/19-06/18/19	21 211	Hernandez, Ka	HYBRID

NURS 140 MATERNITY & PEDIATRIC NURSING

Additional Fee: 25.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
8084	3 Cr	12:30PM-3:30PM	M	04/01/19-06/18/19	21 108	Ovechka, Soph	HYBRID

NURS 149 CLINICAL PRACTICUM I

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

Additional Fee: 14.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
8094	5 Cr	ARRANGED	ARRANGED	04/01/19-06/18/19	ARR	Westberry, Ca	HYBRID

NURS 153 CLINICAL PRACTICUM II

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

Additional Fee: 14.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
80A4	5 Cr	ARRANGED	ARRANGED	04/01/19-06/18/19	ARR	Westberry, Ca	HYBRID

NUTRITION

NUTR& 101 NUTRITION

An exploration of macronutrients (carbohydrates, proteins, and fats) and micronutrients (vitamins and minerals) and their role in growth, development, and optimal health throughout the lifespan. A study in the anatomy and physiology of the gastrointestinal tract and its relation to digestion, absorption, and metabolism of nutrients will be completed. Students will explore the role of nutrition in preventing nutrition-related diseases. A healthy dietary plan will be developed to assist students in making healthy changes in their nutritional status for themselves and other members of their community. Prerequisite(s): Successful completion of ENGL& 101.

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

0557	5 Cr	12:00PM-2:30PM	F	04/05/19-06/14/19	21 107	Scott, Patric	HYBRID
0578	5 Cr	3:00PM-5:30PM	F	04/05/19-06/14/19	21 107	Scott, Patric	HYBRID

OPERATIONS MANAGEMENT

OPM 315 LEAN CONCEPTS AND APPLICAITONS

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>
BA44	5 Cr	ARRANGED	ARRANGED	04/01/19-06/18/19	ARR	Windmeyer, Ti	HYBRID

OPM 412 WORKPLACE HEALTH AND SAFETY MANAGEMENT

Additional Fee: 24.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
BA04	5 Cr	ARRANGED	ARRANGED	04/01/19-06/18/19	ARR	Ostadfar, Ali	HYBRID

OPM 493 FOCUSED STUDY III

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>
BA14	5 Cr	ARRANGED	ARRANGED	04/01/19-06/18/19	ARR	Ostadfar, Ali	HYBRID

OPM 498 INDIVIDUAL CAPSTONE RESEARCH

Additional Fee: 24.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
BA24	5 Cr	ARRANGED	ARRANGED	04/01/19-06/18/19	ARR	Ostadfar, Ali	HYBRID

OPM 499 GROUP CAPSTONE PROJECT

Additional Fee: 24.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
BA34	5 Cr	ARRANGED	ARRANGED	04/01/19-06/18/19	ARR	Ostadfar, Ali	HYBRID

PASTRY ARTS

BAKE 110 PATISSERIE I

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

Instructor Permission required.

Additional Fee: 146.80

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
3504	7 Cr	6:00AM-2:30PM	TWThF	04/02/19-06/18/19	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: 127.20

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
3524	Var	12:00PM-2:00PM	TTh	04/02/19-06/13/19	23 313	Newman, Shell	

BAKE 115 PATISSERIE II

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

Instructor Permission required.

Additional Fee: 146.80

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
3514	7 Cr	6:00AM-2:30PM	TWThF	04/02/19-06/18/19	23 313	Newman, Shell	

BAKE 121 PATISSERIE III

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

Instructor Permission required.

Additional Fee: 146.80

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
3534	7 Cr	6:00AM-2:30PM	TWThF	04/02/19-06/18/19	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: 137.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
3544	Var	8:00AM-12:00PM	TTh	04/02/19-06/13/19	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: 127.20

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
3554	Var	10:00AM-12:00PM	WF	04/03/19-06/14/19	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: 127.20

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
3564	Var	7:00AM-10:00AM	WF	04/03/19-06/14/19	23 313	Newman, Shell	

BAKE 162 RETAIL AND CUSTOMER SERVICE

Familiarizes students with all aspects of retail service, cashiering and retail displays. Included are opening/closing procedures, retail layout and presentation, customer service, leadership, sanitation and safety, proper cash handling, and sales techniques. Instructor permission required.

Instructor Permission required.

Additional Fee: 146.80

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
3574	7 Cr	9:00AM-1:45PM	WThF	04/03/19-06/14/19	23 BSTR	Newman, Shell	

PHARMACY TECHNICIAN

PT 121 INTRODUCTION TO PHARMACY & PHARMACY LAW

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

Additional Fee: 95.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
2724	5 Cr	ARRANGED	ARRANGED	04/01/19-06/18/19	ON LINE	Autry, Trisha	ONLINE

PT 123 PHARMACOLOGY WITH DRUG NAMES PART I

This course will begin the introduction of the top 200 commonly prescribed drugs in the United States. The drug action mechanisms, route of administration, and the effects on the body systems will be explored. Emphasis is placed on the uses, effects, and side effects of the major drug classes. Prerequisite(s): High school diploma or high school equivalency diploma. Ability to speak, read, and write the English language. Successful completion of a college-level math course within the last 5 years (unless they hold a bachelor's degree, then the 5-year rule does not apply), CAH 105 Computer Applications or equivalent, and a 5-credit Medical Terminology course. All courses required for certificate or degree must be completed with a grade of 'B' or better.

Additional Fee: 29.40

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

PT 125 COMMUNITY PHARMACY WITH DOSAGE CALCULATIONS

Introduces the community pharmacy experience. Math specific to the practice of pharmacy will be emphasized. Prerequisite(s): High school diploma or high school equivalency diploma. Ability to speak, read, and write the English language. Successful completion of a college-level math course within the last 5 years (unless they hold a bachelor's degree, then the 5-year rule does not apply), CAH 105 Computer Applications or equivalent, and a 5-credit Medical Terminology course. All courses required for certificate or degree must be completed with a grade of 'B' or better.

Additional Fee: 29.40

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
2744	6 Cr	12:00PM-2:00PM	MT	04/01/19-06/18/19 21 226		Autry, Trisha	HYBRID

PT 127 PHARMACY LAB #1

Prescription filling with counting, keyboarding, packaging, stocking, and labeling will be covered. Emphasis will be on nonsterile compounding following USP 795 guidelines. Prerequisite(s): High school diploma or high school equivalency diploma. Ability to speak, read, and write the English language. Successful completion of a college-level math course within the last 5 years (unless they hold a bachelor's degree, then the 5-year rule does not apply), CAH 105 Computer Applications or equivalent, and a 5-credit Medical Terminology course. All courses required for certificate or degree must be completed with a grade of 'B' or better.

Additional Fee: 95.20

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
2754	2 Cr	10:00AM-2:30PM	W	04/03/19-06/12/19 21 226		Lalli, Jillia	ENHANCED

PT 163 COMMUNITY PHARMACY CLINICAL CAPSTONE

Provides 5 ' weeks of clinical training in a community pharmacy. Students will put into practice skills learned in the classroom by arranging an internship with a community pharmacy. Students and faculty collaborate in arranging community practice sites. Students are directly supervised by a pharmacist preceptor and their staff, with ongoing contact with the instructor in the form of site visits and seminars. Prerequisite(s): Successful completion of all in-class pharmacy technician courses (PT 121, PT 123, PT 125, PT 127, PT 132, PT 135, PT 148, and PT 154), with grades of 'B' or above in all courses.

Additional Fee: 156.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
2704	7 Cr	ARRANGED	ARRANGED	04/01/19-06/18/19 21 226		Lalli, Jillia	ENHANCED

PT 165 INSTITUTIONAL CLINICAL CAPSTONE

Students will spend five-and-a-half weeks in an institutional pharmacy setting. While in this capstone experience, students will perform the duties of an institutional pharmacy technician under the direct supervision of a pharmacist preceptor. There will be ongoing contact with the instructor in the form of site visits and seminars. Prerequisite(s): Successful completion of all in-class pharmacy technician courses (PT 121, PT 123, PT 125, PT 127, PT 132, PT 135, PT 148, and PT 154), with grades of 'B' or above in all courses.

Additional Fee: 14.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
2714	7 Cr	ARRANGED	ARRANGED	04/01/19-06/18/19 21 226		Autry, Trisha	ENHANCED

PHILOSOPHY

POLITICAL SCIENCE

POLS& 202 AMERICAN GOVERNMENT

A survey of the structure and process of American politics and government, including the structure and function of the executive, legislative, and judicial branches, and the American political party system. Special emphasis is placed on the relationship between political culture, thought, institutions, and the debate over public policy. Prerequisite: ENGL 94 or appropriate placement.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
0576	5 Cr	ARRANGED	ARRANGED	04/01/19-06/18/19	ON LINE	Harrington, J	ONLINE
0577	5 Cr	8:00AM-8:50AM	TTh	04/01/19-06/17/19	SHC115	Harrington, J	HYBRID

PROFESSIONAL PILOT

AVP 105 PRIVATE PILOT I

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

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>
5104	4 Cr	12:00PM-3:00PM	DAILY	04/01/19-06/18/19	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>
5114	4 Cr	12:00PM-3:00PM	DAILY	04/01/19-06/18/19	SHC105	Collins, Mars	ENHANCED

AVP 115 PRIVATE PILOT III

Basic performance maneuvers, traffic pattern procedures, and takeoffs and landings. Upon successful completion, students will solo the aircraft. Prerequisite(s): Successful completion of AVP 110 or equivalent. Instructor permission only.

Instructor Permission required.

Additional Fee: 19.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
5124	4 Cr	12:00PM-3:00PM	DAILY	04/01/19-06/18/19	SHC105	Collins, Mars	ENHANCED

AVP 118 PRIVATE PILOT PRACTICAL TEST STANDARDS I

Receive additional flight and ground training as required to meet pilot certification requirements.

Prerequisite(s): Solo endorsement and completion of a solo flight. Instructor permission only.

Instructor Permission required.

Additional Fee: 19.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
5134	4 Cr	12:00PM-3:00PM	DAILY	04/01/19-06/18/19	SHC105	Collins, Mars	ENHANCED

AVP 125 PRIVATE PILOT IV

Introduces knowledge, skills and aeronautical experience necessary to successfully complete the navigation and cross-country flight portion of flight training. Prerequisite(s): Grade of 'C' or better in AVP 115 or equivalent. Pre-solo written exam must be completed with a passing grade. Instructor permission only.

Instructor Permission required.

Additional Fee: 19.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
5144	4 Cr	12:00PM-3:00PM	DAILY	04/01/19-06/18/19	SHC105	Collins, Mars	

AVP 130 PRIVATE PILOT V

Provides the knowledge, skill, and aeronautical experience necessary to read and understand disseminated weather reports and forecasts. Meets the requirements for cross-country navigation and basic instrument flight. Prerequisite(s): Successful completion of AVP 125 or equivalent. Pre-solo written exam must be completed with a passing grade. Instructor permission only.

Instructor Permission required.

Additional Fee: 19.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
5154	4 Cr	12:00PM-3:00PM	DAILY	04/01/19-06/18/19	SHC105	Collins, Mars	

AVP 135 PRIVATE PILOT VI

Gain the proficiency to meet the requirements necessary for FAA Private Pilot Certification with an Airplane Category and Single-Engine Class Rating. Prerequisite(s): Successful completion of AVP 130 or equivalent. Pre-solo written exam must be completed with a passing grade. Instructor permission only.

Instructor Permission required.

Additional Fee: 19.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
5164	4 Cr	12:00PM-3:00PM	DAILY	04/01/19-06/18/19	SHC105	Collins, Mars	

AVP 138 PRIVATE PILOT PRACTICAL TEST STANDARDS II

Receive additional flight and ground training as required to meet pilot certification requirements.

Prerequisite(s): Solo endorsement and completion of a solo flight. Instructor permission only.

Instructor Permission required.

Additional Fee: 19.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
5174	4 Cr	12:00PM-3:00PM	DAILY	04/01/19-06/18/19	SHC105	Collins, Mars	ENHANCED

AVP 140 INSTRUMENT PILOT I

Introduces skills that will establish a strong foundation in basic attitude instrument flying and basic instrument navigation. Prerequisite(s): FAA Private Pilot Certificate. Instructor permission only.

Instructor Permission required.

Additional Fee: 19.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
5184	4 Cr	8:00AM-11:00AM	DAILY	04/01/19-06/18/19	SHC105	Collins, Mars	

AVP 145 INSTRUMENT PILOT II

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

Instructor Permission required.

Additional Fee: 19.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
5194	4 Cr	8:00AM-11:00AM	DAILY	04/01/19-06/18/19	SHC105	Collins, Mars	

AVP 150 INSTRUMENT PILOT III

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

Instructor Permission required.

Additional Fee: 19.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
51A4	4 Cr	8:00AM-11:00AM	DAILY	04/01/19-06/18/19	SHC105	Collins, Mars	

AVP 152 INSTRUMENT PILOT PRACTICE III

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

Instructor Permission required.

Additional Fee: 19.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
51B4	4 Cr	8:00AM-11:00AM	DAILY	04/01/19-06/18/19	SHC105	Collins, Mars	ENHANCED

AVP 155 INSTRUMENT PILOT IV

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

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>
51C4	4 Cr	8:00AM-11:00AM	DAILY	04/01/19-06/18/19	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</u>	<u>Faculty</u>	<u>Internet</u>
51D4	4 Cr	8:00AM-11:00AM	DAILY	04/01/19-06/18/19	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</u>	<u>Faculty</u>	<u>Internet</u>
51F4	4 Cr	8:00AM-11:00AM	DAILY	04/01/19-06/18/19	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</u>	<u>Faculty</u>	<u>Internet</u>
51G4	4 Cr	8:00AM-11:00AM	DAILY	04/01/19-06/18/19	SHC105	Collins, Mars	ENHANCED

AVP 175 COMMERCIAL PILOT I

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

Instructor Permission required.

Additional Fee: 19.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
51H4	4 Cr	8:00AM-11:00AM	DAILY	04/01/19-06/18/19	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</u>	<u>Faculty</u>	<u>Internet</u>
51J4	4 Cr	8:00AM-11:00AM	DAILY	04/01/19-06/18/19	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</u>	<u>Faculty</u>	<u>Internet</u>
51K4	4 Cr	8:00AM-11:00AM	DAILY	04/01/19-06/18/19	SHC105	Collins, Mars	

AVP 190 AIRLINE MULTI-ENGINE CRM I

Update your knowledge and skills in multi-engine and advanced avionics operations, systems, performance, instrument, and airline crew operations. Operate a multi-engine aircraft as a crew and log no less than 10 hours of multi-engine Pilot in Command time. Prerequisite(s): Must be at least 18 years of age and be able to read, speak, write, and understand the English language. Must comply with FAA licensing

standards and possess an FAA Commercial multi-engine Certificate. Second-class FAA medical certificate required prior to the first day of class. Please contact instructor for details. Must have instructor permission. Instructor Permission required.

Additional Fee: 14.70

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
51AA	3 Cr	ARRANGED	DAILY	04/01/19-06/18/19	SHC105	Collins, Mars	

AVP 195 AIRLINE MULTI-ENGINE CRM II

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

Additional Fee: 14.70

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
51AB	3 Cr	ARRANGED	ARRANGED	04/01/19-06/18/19	SHC105	Collins, Mars	

AVP 210 COMMERCIAL PILOT IV

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

Additional Fee: 19.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
51L4	4 Cr	8:00AM-11:00AM	DAILY	04/01/19-06/18/19	SHC105	Collins, Mars	

AVP 215 COMMERCIAL PILOT V

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

Additional Fee: 19.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
51M4	4 Cr	8:00AM-11:00AM	DAILY	04/01/19-06/18/19	SHC105	Collins, Mars	

AVP 218 MULTI-ENGINE INSTRUCTOR CERTIFICATION MEI

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

Additional Fee: 14.70

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
51AD	3 Cr	ARRANGED	DAILY	04/01/19-06/18/19	SHC105	Collins, Mars	

AVP 220 COMMERCIAL PILOT VI

Receive advanced training in all the required Commercial Pilot Certification maneuvers. Flying proficiency in these maneuvers will meet the requirements set forth in the FAA Practical Test Standards.

Prerequisite(s): Successful completion of AVP 215 or equivalent.

Instructor Permission required.

Additional Fee: 19.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
51N4	4 Cr	8:00AM-11:00AM	DAILY	04/01/19-06/18/19	SHC105	Collins, Mars	

AVP 223 COMMERCIAL PILOT PRACTICAL STANDARDS V

Receive additional flight and ground training as required to meet pilot certification requirements.

Prerequisite(s): Instructor permission only.

Instructor Permission required.

Additional Fee: 19.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
51P4	4 Cr	8:00AM-11:00AM	DAILY	04/01/19-06/18/19	SHC105	Collins, Mars	ENHANCED

AVP 230 COMMERCIAL PILOT VII

Operate a high-performance aircraft with retractable landing gear and constant-speed propeller. Basic flight maneuvers and aircraft systems will be covered. Prerequisite(s): Grade of 'C' or better in AVP 220 or equivalent. Instructor permission only.

Instructor Permission required.

Additional Fee: 19.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
51Q4	4 Cr	8:00AM-11:00AM	DAILY	04/01/19-06/18/19	SHC105	Collins, Mars	

AVP 235 COMMERCIAL PILOT VIII

Operate a high-performance aircraft with retractable landing gear and constant-speed propeller. Advanced flight maneuvers, as well as emergency procedures, will be mastered. Prerequisite(s): Successful completion of AVP 230 or equivalent. Instructor permission only.

Instructor Permission required.

Additional Fee: 19.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
51R4	4 Cr	8:00AM-11:00AM	DAILY	04/01/19-06/18/19	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</u>	<u>Faculty</u>	<u>Internet</u>
51S4	4 Cr	8:00AM-11:00AM	DAILY	04/01/19-06/19/19	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</u>	<u>Faculty</u>	<u>Internet</u>
51T4	4 Cr	8:00AM-11:00AM	DAILY	04/01/19-06/18/19	SHC105	Collins, Mars	

AVP 250 COMMERCIAL PILOT XI

Receive additional preparative training to increase aeronautical skills and experience to meet the requirements for the issuance of a Commercial Pilot Certificate. Prerequisite(s): Successful completion of AVP 245 or equivalent. Instructor permission only.

Instructor Permission required.

Additional Fee: 19.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
51U4	4 Cr	8:00AM-11:00AM	DAILY	04/01/19-06/18/19	SHC105	Collins, Mars	

AVP 255 COMMERCIAL PILOT XII

Receive final advanced preparative training to increase aeronautical skills and experience to meet the requirements for the issuance of a Commercial Pilot Certificate. Prerequisite(s): AVP 250 or equivalent. Instructor permission only.

Instructor Permission required.

Additional Fee: 19.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
51V4	4 Cr	8:00AM-11:00AM	DAILY	04/01/19-06/18/19	SHC105	Collins, Mars	

AVP 257 COMMERCIAL PILOT PRACTICAL STANDARDS VI

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

Instructor Permission required.

Additional Fee: 19.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
51W4	4 Cr	8:00AM-11:00AM	DAILY	04/01/19-06/18/19	SHC105	Collins, Mars	ENHANCED

AVP 260 CERTIFIED FLIGHT INSTRUCTOR I

Receive initial training in teaching and learning theory, as well as overall review of commercial pilot aeronautical knowledge subject areas. Student will be trained to fly the aircraft from the right seat to Commercial Pilot Practical Test Standards. Prerequisite(s): FAA Commercial Pilot, Airplane Certificate and Instrument Airplane Rating. Instructor permission only.

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>
51X4	4 Cr	8:00AM-11:00AM	DAILY	04/01/19-06/18/19	SHC105	Collins, Mars	

AVP 265 CERTIFIED FLIGHT INSTRUCTOR II

Master proper teaching techniques from the right seat of the training aircraft. Develop proficiency in conducting aeronautical knowledge briefings. Successful completion will result when knowledge and

proficiency meet and/or exceed FAA Practical Test Standards. Prerequisite(s): Successful completion of AVP 260 or equivalent. Instructor permission only.

Instructor Permission required.

Additional Fee: 19.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
51Y4	4 Cr	8:00AM-11:00AM	DAILY	04/01/19-06/18/19	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</u>	<u>Faculty</u>	<u>Internet</u>
51Z4	4 Cr	8:00AM-11:00AM	DAILY	04/01/19-06/18/19	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</u>	<u>Faculty</u>	<u>Internet</u>
51AC	3 Cr	ARRANGED	DAILY	04/01/19-06/18/19	SHC105	Collins, Mars	

PSYCHOLOGY

PSY 112 PSYCHOLOGY OF THE WORKPLACE

Introduces general psychological principles and their application to the workplace emphasizing critical thinking with regard to self-awareness, interpersonal relations, motivation, and teamwork.

PREREQUISITE: COMPASS Reading Score of at least 81, equivalent SLEP score or successful completion of ENG 094.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
0558	5 Cr	ARRANGED	ARRANGED	04/01/19-06/18/19	ON LINE	Wheeler, Mike	ONLINE

PSYC& 100 GENERAL PSYCHOLOGY

Surveys the knowledge and methods of the discipline of psychology. Presents a broad view of this subject

and establishes the foundation for further study of the discipline. Emphasis will be placed on applying psychological knowledge to daily situations and on accessing and assessing information about behavior from a variety of sources. Skills in scientific reasoning and critical thinking will be developed. Prerequisite(s): Appropriate Accuplacer reading/writing combined score of 277 or equivalent or successful completion of ENG 094.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
0560	Var	ARRANGED	ARRANGED	04/01/19-06/18/19	ON LINE	Wheeler, Mike	ONLINE
0561	Var	ARRANGED	ARRANGED	04/01/19-06/18/19	ON LINE	Wheeler, Mike	ONLINE
0562	5 Cr	8:00AM-8:50AM	DAILY	04/01/19-06/18/19	16 203	Wheeler, Mike	HYBRID
0563	5 Cr	9:00AM-9:50AM	DAILY	04/01/19-06/18/19	16 203	Rose-Pennisi	HYBRID
0564	5 Cr	11:00AM-11:50AM	DAILY	04/01/19-06/18/19	16 203	Wheeler, Mike	HYBRID
0565	Var	ARRANGED	ARRANGED	04/01/19-06/18/19	ON LINE	Rose-Pennisi	ONLINE
0566	5 Cr	1:00PM-1:50PM	TTh	04/01/19-06/18/19	16 203	Baylor, James	HYBRID
0567	5 Cr	3:00PM-3:50PM	DAILY	04/01/19-06/18/19	16 203	Baylor, James	HYBRID
0568	5 Cr	1:15PM-3:45PM	MW	04/01/19-06/17/19	SHC119	Baylor, James	HYBRID

PSYC& 200 LIFESPAN PSYCHOLOGY

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

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
0569	5 Cr	ARRANGED	ARRANGED	04/01/19-06/18/19	ON LINE	Curry, Roger	ONLINE

PSYC& 220 ABNORMAL PSYCHOLOGY

A study of the development and symptoms of mental health disorders. Topics covered include schizophrenia, mood disorders, anxiety disorders, personality disorders, psychosomatic disorders, sexual deviation, organic disorders, and the process of adjustment to stress. Attention is given to biosocial, cognitive, and cultural factors and their role in mental health. Prerequisite(s): Successful completion of PSYC& 100 or equivalent.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
0570	5 Cr	ARRANGED	ARRANGED	04/01/19-06/18/19	ON LINE	Sperry, David	ONLINE

PUBLIC SPEAKING

CMST& 220 PUBLIC SPEAKING

An Open Course Library class with inexpensive course materials. Assists students in developing real-world oral communication skills. Capture the dynamics of today's business realities and see the benefits of effective communication. Selection of topics, library research, analysis, oral style, use of visual aids, and preparation and delivery of various types of speeches and oral presentations are included. The Internet, email, community interaction, and other practical tools support student learning and increase public speaking skills. Emphasis is placed on principles of cultural diversity. Prerequisite(s): Appropriate Accuplacer (283 in reading) placement score or equivalent or successful completion of ENG 094.

Additional Fee: 24.50

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
0516	5 Cr	9:00AM-11:20AM	MW	04/01/19-06/17/19	14 205	Heath, Terry	HYBRID
0517	5 Cr	9:00AM-11:20AM	TTh	04/02/19-06/18/19	14 212	Copeland, Kri	HYBRID
0518	Var	10:00AM-12:00PM	Sa	04/06/19-06/15/19	14 212	Copeland, Kri	HYBRID

RESTAURANT OPERATIONS

REST 103 FOOD & BEVERAGE COST CONTROL

Outlines the fundamentals of food costing in relation to menu writing. Students will be responsible for pricing out each item on the menu as well as preparing yield tests and standardizing recipes.

Instructor Permission required.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
3264	4 Cr	ARRANGED	ARRANGED	04/01/19-06/18/19	ON LINE	Phillips, Jen	ONLINE

REST 107 KITCHEN AND DINING MANAGEMENT

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

Instructor Permission required.

Additional Fee: 14.70

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
32B4	3 Cr	9:00AM-1:45PM	WThF	04/03/19-06/14/19	31 100	Phillips, Jen	HYBRID
3584	3 Cr	9:00AM-1:45PM	WThF	04/03/19-06/14/19	23 313	Newman, Shell	

REST 109 MARKETING/PUBLIC RELATIONS

Learn how to create a marketing concept for your restaurant. Learn to define your target market and understand the importance of effective marketing in the industry. We will also look at current market trends, consumer behavior, market segmentation and positioning of your business in the market to get the desired results.

Instructor Permission required.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
3274	3 Cr	ARRANGED	ARRANGED	04/01/19-06/18/19	ON LINE	Phillips, Jen	ONLINE

REST 112 RESTAURANT DINING

Familiarizes students with all aspects of running a casual-style dining room open to the public. Included are opening/closing procedures, table setup, customer-service techniques, leadership, sanitation, and safety procedures.

Instructor Permission required.

Additional Fee: 34.30

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
3284	7 Cr	9:00AM-1:45PM	WThF	04/03/19-06/14/19	31 100	Phillips, Jen	HYBRID

REST 115 CATERING PRODUCTION

Emphasis will focus on buffet preparation and presentation. Students will receive hands-on experience creating and executing catering requisitions. Students will explore designing menus for various events,

functions, and price limits.

Instructor Permission required.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
3294	3 Cr	ARRANGED	ARRANGED	04/01/19-06/18/19	ON LINE	Phillips, Jen	ONLINE

REST 119 OPERATIONS MANAGEMENT

Explore all aspects of running a successful operation in the hospitality industry. Students will learn how to create a positive work environment and apply team building and leadership skills. Students will also learn how to recruit new team members, establish hiring procedures, organize and implement systems and controls, and handle issues that arise on a daily basis. Students will also explore how to use Excel programs and identify the benefits of using Excel for restaurants.

Instructor Permission required.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
32A4	4 Cr	ARRANGED	ARRANGED	04/01/19-06/18/19	ON LINE	Phillips, Jen	ONLINE

REST 122 FOOD SERVICE NUTRITION

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

Instructor Permission required.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
32C4	4 Cr	ARRANGED	ARRANGED	04/01/19-06/18/19	ON LINE	Phillips, Jen	ONLINE

REST 126 FINANCE AND ACCOUNTING

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

Instructor Permission required.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
32D4	4 Cr	ARRANGED	ARRANGED	04/01/19-06/18/19	ON LINE	Phillips, Jen	ONLINE

REST 131 BUSINESS PLAN DEVELOPMENT

Develop a restaurant concept from start to finish, including a hands-on look at how to develop a business plan to present to possible investors. Students will practice decision making and problem solving skills through creating and planning their own concept.

Instructor Permission required.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
32F4	4 Cr	ARRANGED	ARRANGED	04/01/19-06/18/19	ON LINE	Phillips, Jen	ONLINE

REST 133 BEVERAGE SERVICE

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

Instructor Permission required.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
32G4	4 Cr	ARRANGED	ARRANGED	04/01/19-06/18/19	ON LINE	Phillips, Jen	ONLINE

REST 137 HOSPITALITY LAW

Learn about laws affecting the hospitality industry on both a national and state level. This class will look at

operating an establishment according to government regulations regarding sales, civil rights, liability, administration issues, and organization.

Instructor Permission required.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
32H4	4 Cr	ARRANGED	ARRANGED	04/01/19-06/18/19	ON LINE	Phillips, Jen	ONLINE

RETAIL

RBM 105 FUNDAMENTALS OF ORGANIZATIONAL BEHAVIOR

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

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
5784	3 Cr	ARRANGED	ARRANGED	04/01/19-06/18/19	ON LINE	Reyggers, Ryan	ONLINE

RBM 107 MARKETING

Discover the methods and techniques of marketing research and the principles on which they are based. Includes the elements of the research process, evaluation, and effective presentation of findings.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
5794	3 Cr	ARRANGED	ARRANGED	04/01/19-06/18/19	ON LINE	Reyggers, Ryan	ONLINE

RBM 109 PRINCIPLE OF RETAILING

Provides an introduction to retail management operations and merchandising. Covers retail target markets, trading area analysis and site selection, retail organization, buying, handling financial management of merchandise, development of retail image, customer service, and control of retail operations.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
57A4	3 Cr	ARRANGED	ARRANGED	04/01/19-06/18/19	ON LINE	Reyggers, Ryan	ONLINE

RBM 111 BUSINESS COMMUNICATIONS

Prepares students to communicate effectively in business settings by helping them develop superior written and oral communication skills. This course focuses on traditional and web-based forms of communication, as seen in business today, including email, letters, memos, reports, proposals, and presentations. Upon completion of Business Communications, students will know how to plan, write, and revise communications for a variety of audiences, both in print and online.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
5744	3 Cr	ARRANGED	ARRANGED	04/01/19-06/18/19	ON LINE	Reyggers, Ryan	ONLINE

RBM 113 BUSINESS TECHNOLOGY FOR RETAIL APPLICATIONS

Gain hands-on experience with the fundamentals of Microsoft Office, such as entering data, formatting, copying and pasting, basic formula construction, auto summing and more. This course will not only teach you the basics of Office but will also teach you the thinking and mechanics of how to apply it to your everyday retail problems.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
57B4	3 Cr	ARRANGED	ARRANGED	04/01/19-06/18/19	ON LINE	Reyggers, Ryan	ONLINE

RBM 115 HUMAN RESOURCE MANAGEMENT

Identify the role of human resource management, including its scope and responsibilities. Students will examine the principles and methods used in the recruitment, selection, placement, and training of employees. Major laws, trends, and issues related to human resource administration will be discussed.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
57C4	3 Cr	ARRANGED	ARRANGED	04/01/19-06/18/19	ON LINE	Reyggers, Ryan	ONLINE

RBM 117 PRINCIPLES OF MANAGEMENT

Learn essential skills for operating an effective business. Topics include employee productivity, project management, human resources and job design, forecasting, statistical process , and supply chain management.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
5774	3 Cr	ARRANGED	ARRANGED	04/01/19-06/18/19	ON LINE	Reyggers, Ryan	ONLINE

RBM 119 FINANCIAL MANAGEMENT

Introduces students to key financial management topics that give insight into the issues and challenges facing financial managers every day. Examines the latest financial developments, including a discussion on IPOs as a broad topic and the sale of stock. This course delivers the solid understanding of financial management that a business student needs for future success.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
57J4	3 Cr	ARRANGED	ARRANGED	04/01/19-06/18/19	ON LINE	Reyggers, Ryan	ONLINE

RBM 123 CUSTOMER SERVICE STRATEGIES

Introduces concepts of effective customer service, step-by-step suggestions for improving communication, and valuable references for delivering exceptional internal and external customer-service skills.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
5754	5 Cr	ARRANGED	ARRANGED	04/01/19-06/18/19	ON LINE	Reyggers, Ryan	ONLINE

RBM 129 SPEAKING FOR SUCCESS

Theory and practice in composing and presenting oral business communications, both impromptu and prepared. Effective writing of business documents, methods of research, and presentation of oral class reports.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
5724	5 Cr	ARRANGED	ARRANGED	04/01/19-06/18/19	ON LINE	Reyggers, Ryan	ONLINE

RBM 133 EFFECTIVE SELLING

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

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
57G4	5 Cr	ARRANGED	ARRANGED	04/01/19-06/18/19	ON LINE	Reyggers, Ryan	ONLINE

RBM 159 E-COMMERCE PRINCIPLES & APPLICATIONS

This introduction to the world of electronic commerce provides the tools necessary to understand and capitalize on the explosion of Internet-based business in today's economy. Study the technologies used to create new opportunities for business-to-business and business-to-customer services. Social Media Marketing will give you a practical approach to developing successful social media marketing plans.

Students will learn how to analyze effective and ineffective ways to market various products to achieve desired marketing outcomes.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
5764	4 Cr	ARRANGED	ARRANGED	04/01/19-06/18/19	ON LINE	Reygers, Ryan	ONLINE

RBM 162 SOCIAL MEDIA MARKETING

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
57H4	5 Cr	ARRANGED	ARRANGED	04/01/19-06/18/19	ON LINE	Reygers, Ryan	ONLINE

RBM 164 MARKETING COMMUNICATIONS

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

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
57K4	5 Cr	ARRANGED	ARRANGED	04/01/19-06/18/19	ON LINE	Reygers, Ryan	ONLINE

RBM 166 SUCCESSFUL CAREER DEVELOPMENT

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

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
57D4	5 Cr	ARRANGED	ARRANGED	04/01/19-06/18/19	ON LINE	Reygers, Ryan	ONLINE

RBM 168 CONSUMER BEHAVIOR

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

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
57L4	5 Cr	ARRANGED	ARRANGED	04/01/19-06/18/19	ON LINE	Reygers, Ryan	ONLINE

RBM 201 INTRODUCTION TO BUSINESS

A professional class designed to give an understanding of business etiquette. Put your best professional foot forward with Introduction to Business Etiquette. This course covers all the important issues and concepts without confusing students with excess material. This class covers basic digital etiquette and provides information on how to create and maintain business relationships.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
57F4	5 Cr	ARRANGED	ARRANGED	04/01/19-06/18/19	ON LINE	Reygers, Ryan	ONLINE

SOCIOLOGY

SOC& 101 INTRODUCTION TO SOCIOLOGY

Focuses on understanding and applying the sociological perspective, which stresses the importance of the impact of social forces external to the individual in shaping people's lives and experiences. Topics studied will include socialization, social interaction, culture, groups, social structure, deviance, social inequality, social class, race, gender, institutions (political, economic, educational, and family), collective behavior,

and social change. Students will be asked to learn the basic concepts, theories, and perspectives of sociology; to see how these operate in terms of social processes, structures, and events; and to apply this knowledge to better understand the social world. Prerequisite(s): Appropriate Accuplacer reading/writing combined score of 277 or equivalent or successful completion of ENG 094.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
0571	Var	ARRANGED	ARRANGED	04/01/19-06/18/19	ON LINE	Rose-Pennisi	ONLINE
0572	5 Cr	ARRANGED	ARRANGED	04/01/19-06/18/19	ON LINE	Baylor, James	ONLINE
0573	5 Cr	11:00AM-11:50AM	DAILY	04/01/19-06/18/19	14 208	Rose-Pennisi	HYBRID
0574	5 Cr	10:00AM-10:50AM	TTh	04/01/19-06/18/19	16 203	Baylor, James	HYBRID

SURGICAL TECHNOLOGY

SURG 110 INTRODUCTION TO THE SURGICAL LAB

Covers proper attire, hand hygiene, patient vitals, urinary catheterization, room set up, handling of sterile supplies, gowning and gloving, and introduction to surgical instrumentation. Prerequisite(s): Successful completion of ENGL& 101, CAH 102, BIOL& 241, COLL 102.

Additional Fee: 16.20

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4004	3 Cr	11:30AM-2:00PM	TTh	04/02/19-06/18/19	21 120	Clark, Keza	ENHANCED

SURG 115 INTRODUCTION TO THE SURGICAL ENVIRONMENT

Explores the basics of surgical instrumentation, use of energy sources and guidelines to safe practices surrounding them, introduction to specimen handling, principals of aseptic technique, processes related to maintaining asepsis and hazards of the surgical environment. Prerequisite(s): Successful completion of ENGL& 101, CAH 102, BIOL& 241, COLL 102.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4014	2 Cr	ARRANGED		04/01/19-06/18/19	ON LINE	Clark, Keza	ONLINE

SURG 120 CARE OF THE SURGICAL PATIENT I

Covers patient vitals and diagnostics; methods of patient identification, transfer, transport and positioning of surgical patients; theories of skin prep and draping; case planning and intraoperative routines.

Prerequisite(s): Successful completion of ENGL& 101, CAH 102, BIOL& 241, COLL 102.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4024	2 Cr	ARRANGED	ARRANGED	04/01/19-06/18/19	ON LINE	Clark, Keza	ONLINE

SURG 128 PHARMACOLOGY & ANESTHESIA

Introduces the student to basic surgically 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 interventions.

Prerequisite(s): Successful completion of SURG 150, SURG 152, SURG 148, SURG 145, MAT 108 or Higher (MAT&)

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
40A4	3 Cr	ARRANGED	ARRANGED	04/01/19-06/18/19	ON LINE	Urquidez, Jam	ONLINE

SURG 153 SURGICAL LAB II

Covers intermediate level skills for the OR environment, aseptic principles and practices, scrubbing,

gowning, gloving, preparation of the sterile field, disinfection and sterilization, scrub role, assistant circulator role, instrumentation, supplies, equipment, patient positions, draping, incisions, procedural steps, and care of specimens as appropriate for the second quarter Prerequisite(s): Successful completion of SURG150 (Operating Room Setting), SURG 152(Care of the Surgical Patient II), SURG148 (Operating Room Theory I), SURG 145, MAT 108 or Higher (MAT&___ needed for AAST)

Additional Fee: 16.20

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4074	5 Cr	10:00AM-3:30PM	WF	04/02/19-06/18/19	21 120	Clark, Keza	ENHANCED

SURG 154 OPERATING ROOM THEORY II

Continued exploration of surgical specialties to include otorhinolaryngologic, oral/maxillofacial, plastic/reconstructive, and orthopedic procedures along with surgical anatomy, instrumentation, equipment, supplies, patient positions, specimen care and postoperative considerations. Prerequisite(s): Successful completion of SURG 150, SURG 152, SURG 148, SURG 145, MAT 108 or Higher (MAT&)

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>
4084	5 Cr	7:00AM-9:00AM	WF	04/02/19-06/18/19	21 113	Clark, Keza	HYBRID

SURG 160 CARE OF THE SURGICAL PATIENT III

Explores disaster readiness, sterility, disinfection, and steps for reprocessing instruments, decontamination of surgical environment, and the use of technology within the surgical environment. . Prerequisite(s): Successful completion of SURG 150, SURG 152, SURG 148, SURG 145, MAT 108 or Higher (MAT&)

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4094	2 Cr	ARRANGED	ARRANGED	04/01/19-06/18/19	ON LINE	Clark, Keza	ONLINE

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 212, SURG 201, SURG 205 and SURG 208.

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>
4034	5 Cr	ARRANGED	MTWTh	04/01/19-05/08/19	ARR	Urquidez, Jam	

SURG 220 CLINICAL APPLICATIONS II

See Clinical Applications. Prerequisite(s): Successful completion of SURG 212, SURG 201, SURG 205 and SURG 208.

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>
4044	5 Cr	ARRANGED	MTWTh	05/13/19-06/18/19	ARR	Urquidez, Jam	

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 212, SURG 201, SURG 205 and SURG 208.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4054	3 Cr	7:00AM-10:00AM	F	04/01/19-06/18/19	ARR	Urquidez, Jam	HYBRID

SURG 237 CERTIFICATION TEST PREP I

Prepares students to take the NBSTSA National Certification Test. Prerequisite(s): Successful completion of SURG 212, SURG 201, SURG 205 and SURG 208.

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4064	2 Cr	ARRANGED	F	04/01/19-06/18/19	ARR	Urquidez, Jam	HYBRID

UPHOLSTERY

UPH 102 INTRODUCTION TO UPHOLSTERY I

INTRODUCES TOOLS AND MATERIALS COMMONLY USED IN THE UPHOLSTERY TRADE. PROVIDES HANDS-ON EXPERIENCE IN PROPER USE OF VARIOUS HAND AND POWER TOOLS AND THEIR MAINTENANCE AND STORAGE. STUDENTS WILL LEARN HOW TO SET UP EFFICIENT WORK STATION. PREREQUISITE: INSTRUCTOR PERMISSION

Additional Fee: 45.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4304	5 Cr	9:00AM-3:00PM	DAILY	04/01/19-06/18/19	03 402	Glasgow, J	

UPH 104 INTRODUCTION TO UPHOLSTERY II

Introduces types of foam and fabrics along with their characteristics and uses in upholstery. Equips students with skills needed to design patterns, measure and calculate materials needed for an upholstery project. Continuation of skills learned in Introduction To Upholstery I. Prerequisite(s): Instructor permission.

Additional Fee: 45.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4314	5 Cr	9:00AM-3:00PM	DAILY	04/01/19-06/18/19	03 402	Glasgow, J	

UPH 106 BASIC SEWING I

Covers the setup and threading of commercial upholstery sewing machines. Provides a foundation for students to learn to sew on commercial machines with control and accuracy. Prerequisite(s): Instructor permission.

Additional Fee: 45.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4324	5 Cr	9:00AM-3:00PM	DAILY	04/01/19-06/18/19	03 402	Glasgow, J	

UPH 108 BASIC SEWING II

Focuses on building a foundation of sewing skills. Provides instruction introduction to troubleshooting and maintenance of commercial sewing machines. Introduces students to various machine stitches and their uses. Continuation of skills learned in Basic Sewing I. Prerequisite(s): Instructor permission.

Additional Fee: 45.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4334	5 Cr	9:00AM-3:00PM	DAILY	04/01/19-06/18/19	03 402	Glasgow, J	

UPH 110 INTERMEDIATE SEWING I

Develop sewing skills, speed and accuracy by constructing cushions, pillows and automotive inserts. Prerequisite(s): Successful completion of UPH 102, UPH 104, UPH 106 and UPH 108, or Instructor permission.

Additional Fee: 45.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4344	5 Cr	9:00AM-3:00PM	DAILY	04/01/19-06/18/19	03 402	Glasgow, J	

UPH 112 INTERMEDIATE SEWING II

Continuation of sewing skills learned in Intermediate Sewing I. Increase speed and accuracy by constructing cushions, pillows and automotive inserts.

Additional Fee: 45.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4354	5 Cr	9:00AM-3:00PM	DAILY	04/01/19-06/18/19	03 402	Glasgow, J	

UPH 114 ADVANCED SEWING I

Provides students the opportunity to develop advanced sewing skills by constructing complex seats and custom designs. Prerequisite(s): Successful completion of UPH 102, UPH 104, UPH 106 and UPH 108, or instructor permission.

Additional Fee: 45.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4364	5 Cr	9:00AM-3:00PM	DAILY	04/01/19-06/18/19	03 402	Glasgow, J	

UPH 116 ADVANCED SEWING II

Continuation of Advanced Sewing I to develop students' advanced sewing skills. Provides practical application of sewing skills on a 2015 Corvette seat frame or similar. Students will design a pattern, cut, sew, and fit a new upholstery cover for a seat back. Prerequisite(s): Successful completion of UPH 102, UPH 104, UPH 106 and UPH 108, or instructor permission.

Additional Fee: 45.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4374	5 Cr	9:00AM-3:00PM	DAILY	04/01/19-06/18/19	03 402	Glasgow, J	

UPH 126 BENCH SEATS I

Covers the removal of an automotive bench seat as well as pattern and fabrication of a replacement seat cover and headrest covers. Provides students with the opportunity to apply knowledge and skills learned in design, measurement and sewing. Prerequisite(s): Successful completion of UPH 118, UPH 120, UPH 122 and UPH 124, or instructor permission.

Additional Fee: 45.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4384	4 Cr	9:00AM-3:00PM	DAILY	04/01/19-06/18/19	03 402	Glasgow, J	

UPH 128 BENCH SEATS II

Covers various sewing techniques for automotive bench seats as well as preparation and fitting of upholstery covers for bench seats and head rests. Students will also learn how to reinstall automotive bench seats and headrests after reupholstering. Continuation of skills learned in Bench Seats I. Prerequisite(s): Successful completion of UPH 118, UPH 120, UPH 122 and UPH 124, or instructor permission.

Additional Fee: 45.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
4394	4 Cr	9:00AM-3:00PM	DAILY	04/01/19-06/18/19	03 402	Glasgow, J	

UPH 132 HEADLINERS

Introduces fabrication of bow headliners, upholstery of hard shell headliners and installation and creation of

matching sun visors. Prerequisite(s): Successful completion of UPH 118, UPH 120, UPH 122 and UPH 124, or instructor permission.

Additional Fee: 45.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
43A4	4 Cr	9:00AM-3:00PM	DAILY	04/01/19-06/18/19	03 402	Glasgow, J	

UPH 165 UPHOLSTERING A WING BACK CHAIR II

Additional Fee: 45.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
43B4	4 Cr	9:00AM-3:00PM	DAILY	04/01/19-06/18/19	03 402	Glasgow, J	

UPH 170 UPHOLSTERING A SOFA I

Additional Fee: 45.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
43C4	4 Cr	9:00AM-3:00PM	DAILY	04/01/19-06/18/19	03 402	Glasgow, J	

UPH 175 UPHOLSTERING A SOFA II

Additional Fee: 45.00

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
43D4	4 Cr	9:00PM-3:00PM	DAILY	04/01/19-06/18/19	03 402	Glasgow, J	

WELDING TECHNOLOGY

WLD 106 WELDING THEORY

Introduces the tools and equipment used in welding. Includes safety considerations, electrical principles, welding quality and technical orientation for select welding and cutting processes. Instructor Permission required.

Instructor Permission required.

Additional Fee: 113.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
98AH	5 Cr	5:00PM-10:00PM	DAILY	04/01/19-06/18/19	25 403	Riojas, Ameli	
98L4	5 Cr	12:00PM-5:00PM	DAILY	04/01/19-06/18/19	25 403	Agostino, Jus	

WLD 110 THERMAL CUTTING AND GOUGING

Develops the knowledge and skill for manual and machine-guided oxyfuel cutting, manual plasma arc cutting, and carbon arc gouging. Corequisite: WLD 105.

Instructor Permission required.

Additional Fee: 113.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
9804	3 Cr	7:00AM-12:00PM	DAILY	04/01/19-06/18/19	25 400	Meyers, David	
98AJ	3 Cr	5:00PM-10:00PM	DAILY	04/01/19-06/18/19	25 400	Riojas, Ameli	
98M4	3 Cr	12:00PM-5:00PM	DAILY	04/01/19-06/18/19	25 400	Agostino, Jus	

WLD 112 OXYACETYLENE WELDING AND BRAZING

Develops the knowledge and skill for welding, brazing, and braze welding various joint designs using oxyacetylene equipment. Corequisite: WLD 105.

Instructor Permission required.

Additional Fee: 113.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
9814	4 Cr	7:00AM-12:00PM	DAILY	04/01/19-06/18/19	25 400	Meyers, David	
98AK	4 Cr	5:00PM-10:00PM	DAILY	04/01/19-06/18/19	25 400	Riojas, Ameli	
98N4	4 Cr	12:00PM-5:00PM	DAILY	04/01/19-06/18/19	25 400	Agostino, Jus	

WLD 117 SMAW I

Introduces the shielded metal arc welding (SMAW) process with emphasis on skill development using deep penetrating electrodes in the flat and horizontal positions. , deep penetrating electrodes by welding various joints in the vertical and overhead positions. Prerequisite(s): Completion of or concurrent enrollment in WLD 105.

Instructor Permission required.

Additional Fee: 113.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
9824	7 Cr	7:00AM-12:00PM	DAILY	04/01/19-06/18/19	25 400	Meyers, David	
98AL	7 Cr	5:00PM-10:00PM	DAILY	04/01/19-06/18/19	25 400	Riojas, Ameli	
98P4	7 Cr	12:00PM-5:00PM	DAILY	04/01/19-06/18/19	25 400	Agostino, Jus	

WLD 123 SMAW II

Develops understanding of the applications and techniques for using low-hydrogen SMAW electrodes in the flat and horizontal positions. , low-hydrogen electrodes by welding various joint designs in the vertical and overhead positions. Prerequisite(s): Successful completion of WLD 105.

Instructor Permission required.

Additional Fee: 113.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
9834	7 Cr	7:00AM-12:00PM	DAILY	04/01/19-06/18/19	25 400	Meyers, David	
98AM	7 Cr	5:00PM-10:00PM	DAILY	04/01/19-06/18/19	25 400	Riojas, Ameli	
98Q4	7 Cr	12:00PM-5:00PM	DAILY	04/01/19-06/18/19	25 400	Agostino, Jus	

WLD 143 MATERIALS AND TESTING

Covers welding processes, electrode selection, welder qualifications and welding inspection Instructor Permission required.

Instructor Permission required.

Additional Fee: 113.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
98BK	5 Cr	12:00PM-5:00PM	DAILY	04/01/19-06/18/19	25 403	Agostino, Jus	
98BL	5 Cr	5:00PM-10:00PM	DAILY	04/01/19-06/18/19	25 403	Agostino, Jus	

WLD 152 GAS METAL ARC WELDING

Develops the ability to use the gas metal arc welding process to join carbon steels and aluminum with various joint designs in all positions. Prerequisite: Completion of or concurrent enrollment in WLD 142.

Instructor Permission required.

Additional Fee: 113.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
9844	7 Cr	7:00AM-12:00PM	DAILY	04/01/19-06/18/19	25 400	Meyers, David	
98AN	7 Cr	5:00PM-10:00PM	DAILY	04/01/19-06/18/19	25 400	Riojas, Ameli	
98R4	7 Cr	12:00PM-5:00PM	DAILY	04/01/19-06/18/19	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: 113.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
9854	5 Cr	7:00AM-12:00PM	DAILY	04/01/19-06/18/19	25 400	Meyers, David	
98S4	5 Cr	12:00PM-5:00PM	DAILY	04/01/19-06/18/19	25 403	Agostino, Jus	

WLD 168 FLUX CORED ARC WELDING I

Develops the ability to use gas-shielded flux cored arc welding electrodes to join carbon steels with various joint designs in all positions. Prerequisite: Completion of or concurrent enrollment in WLD 142.

Instructor Permission required.

Additional Fee: 113.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
9864	7 Cr	7:00AM-12:00PM	DAILY	04/01/19-06/18/19	25 400	Meyers, David	
98AP	7 Cr	5:00PM-10:00PM	DAILY	04/01/19-06/18/19	25 400	Riojas, Ameli	
98T4	7 Cr	12:00PM-5:00PM	DAILY	04/01/19-06/18/19	25 400	Agostino, Jus	

WLD 210 GAS TUNGSTEN ARC WELDING I

Develops the ability to use the gas tungsten arc welding process to join carbon and stainless steels with various joint designs in all positions. Prerequisite: Completion of, or concurrent enrollment in, WLD 142.

Instructor Permission required.

Additional Fee: 113.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
9874	7 Cr	7:00AM-12:00PM	DAILY	04/01/19-06/18/19	25 400	Meyers, David	
98AQ	7 Cr	5:00PM-10:00PM	DAILY	04/01/19-06/18/19	25 400	Riojas, Ameli	
98U4	7 Cr	12:00PM-5:00PM	DAILY	04/01/19-06/18/19	25 400	Agostino, Jus	

WLD 211 ADVANCED GTAW I

Develops the welding in all positions for Gas Tungsten Arc Welding for a variety of light gauge steel and aluminum joint designs. Prerequisite(s): Successful completion of WLD 210 or instructor permission.

Instructor Permission required.

Additional Fee: 113.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
9884	7 Cr	7:00AM-12:00PM	DAILY	04/01/19-06/18/19	25 400	Meyers, David	
98AR	7 Cr	5:00PM-10:00PM	DAILY	04/01/19-06/18/19	25 400	Riojas, Ameli	
98V4	7 Cr	12:00PM-5:00PM	DAILY	04/01/19-06/18/19	25 400	Agostino, Jus	

WLD 214 ADVANCED GTAW II

WLD 214 ADVANCED GAS TUNGSTEN ARC WELDING II 7CR Develops the welding techniques in all positions for Gas Tungsten Arc Welding for a variety of light gauge exotic metals joint designs.

Prerequisite(s): Completion of, or concurrent enrollment in, WLD 211.

Instructor Permission required.

Additional Fee: 113.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
9894	7 Cr	7:00AM-12:00PM	DAILY	04/01/19-06/18/19	25 400	Meyers, David	
98AS	7 Cr	5:00PM-10:00PM	DAILY	04/01/19-06/18/19	25 400	Riojas, Ameli	
98W4	7 Cr	12:00PM-5:00PM	DAILY	04/01/19-06/18/19	25 400	Agostino, Jus	

WLD 217 SPECIAL PROJECTS

Develops skills in print reading, project planning, layout, distortion control fixturing, and other fabrication techniques. Students will have the opportunity to apply knowledge to projects of personal interest and/or as assigned. Prerequisite(s): Advanced standing with instructor's permission.

Instructor Permission required.

Additional Fee: 113.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
98A4	Var	7:00AM-12:00PM	DAILY	04/01/19-06/18/19	25 400	Meyers, David	
98AT	Var	5:00PM-10:00PM	DAILY	04/01/19-06/18/19	25 400	Riojas, Ameli	
98X4	Var	ARRANGED	ARRANGED	04/01/19-06/18/19	25 400	Agostino, Jus	

WLD 219 SPECIAL PROJECTS II

Develops additional skills in print reading, project planning, layout, distortion control, and other fabrication techniques. Students will have the opportunity to apply knowledge to projects of personal interest and/or assigned. Prerequisite(s): Advanced standing with instructor's permission.

Instructor Permission required.

Additional Fee: 113.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
98AU	Var	5:00PM-10:00PM	DAILY	04/01/19-06/18/19	25 400	Riojas, Ameli	
98B4	Var	7:00AM-12:00PM	DAILY	04/01/19-06/18/19	25 400	Meyers, David	
98Y4	Var	ARRANGED	ARRANGED	04/01/19-06/18/19	25 400	Agostino, Jus	

WLD 223 GTAW PIPE

Develops welding techniques required to make sound GTAW welds on steel plate and pipe in the 2G, 3G, 4G, & 5G positions. Prerequisite(s): Successful completion of WLD 142 or instructor permission.

Instructor Permission required.

Additional Fee: 113.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
98AV	7 Cr	5:00PM-10:00PM	DAILY	04/01/19-06/18/19	25 400	Riojas, Ameli	
98C4	7 Cr	7:00AM-12:00PM	DAILY	04/01/19-06/18/19	25 400	Meyers, David	
98Z4	7 Cr	12:00PM-5:00PM	DAILY	04/01/19-06/18/19	25 400	Agostino, Jus	

WLD 225 SMAW PIPE WELDING

Develop welding techniques required to make sound SMAW welds using E6010 and E7018 electrodes on steel pipe in the 2G & 5G positions. Prerequisite(s): Successful completion of WLD 142 or instructor permission.

Instructor Permission required.

Additional Fee: 113.60

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

98AA	7 Cr	12:00PM-5:00PM	DAILY	04/01/19-06/18/19	25 400	Agostino, Jus
98AW	7 Cr	5:00PM-10:00PM	DAILY	04/01/19-06/18/19	25 400	Riojas, Ameli
98D4	7 Cr	7:00AM-12:00PM	DAILY	04/01/19-06/18/19	25 400	Meyers, David

WLD 227 **ADVANCED PIPE**

Develops welding techniques required to make sound welds on pipe in a variety of joints and positions. Prerequisite(s): Successful completion of WLD 142 or instructor permission.

Instructor Permission required.

Additional Fee: 113.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
98AB	7 Cr	12:00PM-5:00PM	DAILY	04/01/19-06/18/19	25 400	Agostino, Jus	
98AX	7 Cr	5:00PM-10:00PM	DAILY	04/01/19-06/18/19	25 400	Riojas, Ameli	
98F4	7 Cr	7:00AM-12:00PM	DAILY	04/01/19-06/18/19	25 400	Meyers, David	

WLD 229 **METAL-FORMING**

Develops techniques, tools, and equipment necessary to form metal into a variant of shapes. Prerequisite(s): Successful completion of WLD 157 Metallurgy or instructor permission.

Instructor Permission required.

Additional Fee: 113.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
98AC	7 Cr	12:00PM-5:00PM	DAILY	04/01/19-06/18/19	25 400	Agostino, Jus	
98AY	7 Cr	5:00PM-10:00PM	DAILY	04/01/19-06/18/19	25 400	Riojas, Ameli	
98G4	7 Cr	7:00AM-12:00PM	DAILY	04/01/19-06/18/19	25 400	Meyers, David	

WLD 233 **LAYOUT AND FABRICATION**

Covers Layout and fabrication techniques required for building production welding projects from a plan. Project planning, layout methods, fixturing, distortion control, and the use of tools and equipment for metal fabrication are also covered. Instructor Permission required.

Instructor Permission required.

Additional Fee: 113.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
98AD	7 Cr	12:00PM-5:00PM	DAILY	04/01/19-06/18/19	25 400	Agostino, Jus	
98AZ	7 Cr	5:00PM-10:00PM	DAILY	04/01/19-06/18/19	25 400	Riojas, Ameli	
98H4	7 Cr	7:00AM-12:00PM	DAILY	04/01/19-06/18/19	25 400	Meyers, David	

WLD 235 **WABO TEST PREP**

Develops skills in preparation for employer, Washington Association of Building Officials (WABO) or similar welder qualification tests in the 3G,4G, 5G and 6G positions using a variety of welding processes Instructor Permission required.

Instructor Permission required.

Additional Fee: 113.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
98AF	7 Cr	12:00PM-5:00PM	DAILY	04/01/19-06/18/19	25 400	Agostino, Jus	
98BB	7 Cr	5:00PM-10:00PM	DAILY	04/01/19-06/18/19	25 400	Riojas, Ameli	
98J4	7 Cr	7:00AM-12:00PM	DAILY	04/01/19-06/18/19	25 400	Meyers, David	

WLD 238 **FCAW II**

Covers welding techniques for self-shielding Flux Core Arc Welding for a variety of joint designs in all positions Instructor Permission required.

Instructor Permission required.

Additional Fee: 113.60

<u>Item</u>	<u>Cred</u>	<u>Hours</u>	<u>Days</u>	<u>Start-End Dates</u>	<u>Location</u>	<u>Faculty</u>	<u>Internet</u>
98AG	7 Cr	12:00PM-5:00PM	DAILY	04/01/19-06/18/19	25 400	Agostino, Jus	
98BC	7 Cr	5:00PM-10:00PM	DAILY	04/01/19-06/18/19	25 400	Riojas, Ameli	
98K4	7 Cr	7:00AM-12:00PM	DAILY	04/01/19-06/18/19	25 400	Meyers, David	