

COURS	COLLE	COURSE_IDE	COURSE_TITLE	PREREQS	REVISED_PREREQS	CREDI	COURSE_DESCRIPTION	REVISED_COURSE_DESCRIPTION	UT_CORE	MULTICULTURAL	OTHER_ATTRIBUTES	COREQS	REVISED_CO_REQS	CATALOG_SCHD_TYP	HISTORICAL_CROSS_US	CIP_CODE_BANNER	LAST_TERM_OFFERED	LAST_TERM_WITH_ENROLLMENT	TAUGHT_DL_BLENDED	OFFERING_PATTERN	INACTIV	comments
UG	BU	BUAD2040	Financial Accounting Information		Prerequisites: MIN. Sophomore Standing. Instructor/admitted to Major, A higher education GPA of 2.75 or higher and an average GPA of 2.75 or higher in BUAD 2040 and BUAD 2050 (or equivalents), and a C (2.0) or better in each course.	3	This course is an introduction to financial accounting from the perspective of a financial statement user. Where appropriate, it provides a small and mid-sized company's perspective.							RE		52.0304	201640	201610	Yes	Summer,Fall,Spring		approve
UG	BU	ACCT3110	External Financial Reporting I	Prerequisites: BUAD 2040 FOR LEVEL UG WITH MIN. GRADE OF C AND BUAD 2050 FOR LEVEL UG WITH MIN. GRADE OF C	BUAD 2040 FOR LEVEL UG WITH MIN. GRADE OF C AND BUAD 2050 FOR LEVEL UG WITH MIN. GRADE OF C	4	This course covers accounting topics applicable to asset valuation, income measurement and financial statement disclosure. It concentrates on accounting for corporations and emphasizes the accounting cycle and the asset side of the balance sheet.							LE		52.0301	201640	201610	Yes	Summer,Fall,Spring		approve
UG	BU	ACCT3210	Individual Taxation	Prerequisites: ACCT 3100 FOR LEVEL UG WITH MIN. GRADE OF C OR ACCT 3110 FOR LEVEL UG WITH MIN. GRADE OF C (MAY BE TAKEN CONCURRENTLY)	BUAD 2040 FOR LEVEL UG WITH MIN. GRADE OF C AND ACCT 3110 FOR LEVEL UG WITH MIN. GRADE OF C (ACCT 3110 AND ACCT 3210 MAY BE TAKEN CONCURRENTLY).	3	This class focuses on the concepts and principles applicable to the taxation of individuals. This course provides an introduction to processing and reporting of accounting information. Major emphasis is placed on basic accounting information processing including accounting applications in an advanced information technology environment.							LE		52.1601	201640	201610	Yes	Summer,Fall,Spring		approve
UG	BU	ACCT3310	Accounting Information Systems And Controls	Prerequisites: ACCT 3100 FOR LEVEL UG WITH MIN. GRADE OF C	Prerequisites: ACCT 3110 FOR LEVEL UG WITH MIN. GRADE OF C	3	This course covers the taxation of corporations, their shareholders, and other business entities. Topics include formation of business entities, taxation of income, and tax treatment of distributions.							LE	ACCT6960	52.0301	201640	201610	Yes	Summer,Fall,Spring		approve
UG	BU	ACCT4250	Taxation of Business Entities	Prerequisites: ACCT 3210 FOR LEVEL UG WITH MIN. GRADE OF C	Prerequisites: ACCT 3120 FOR LEVEL UG WITH MIN. GRADE OF C AND ACCT 3210 FOR LEVEL UG WITH MIN. GRADE OF C	3	The accounting major allows superior accounting students to obtain practical training through a rigorous learning experience. This program enables students to secure a broad exposure to business operations and c problems. The student will write a research report on an accounting topic of interest to both student and faculty adviser. The topic must not be covered in another undergraduate accounting course.							LE	ACCT6250	52.1001	201640	201610	Yes	Summer,Fall,Spring		approve
UG	BU	ACCT4940	Accounting Internship	Prerequisites: ACCT 3100 FOR LEVEL UG WITH MIN. GRADE OF D-	Prerequisites: ACCT 3110 FOR LEVEL UG WITH MIN. GRADE OF B- Permission of Dept.	1-3								FE	ACCT5940	52.0301	201640	201610	No	Summer,Fall,Spring		approve
UG	BU	ACCT4990	Independent Study: Readings And Research	Prerequisites: ACCT 3120 FOR LEVEL UG WITH MIN. GRADE OF D-	Prerequisites: ACCT 3120 FOR LEVEL UG WITH MIN. GRADE OF C. Permission of Instructor	1-3					Offered with Multiple 1			IS		52.0301	201640	201540	Yes	Summer,Fall,Spring		approve

COURS	COLLE	COURSE_IDE	COURSE_TITLE	PREREQS	REVISED_PREREQS	CREDI	COURSE_DESCRIPTION	REVISED_COURSE_DESCRIPTION	UT_CORE	MULTICULTURAL	OTHER_ATTRIBUTES	COREQS	REVISED_CO_REQS	CATALOG_SCHD_TYP	HISTORICAL_CROSS_US	CIP_CODE_BANNER	LAST_TERM_OFFERED	LAST_TERM_WITH_ENROLLMENT	TAUGHT_DL_BLENDED	OFFERING_PATTERN	INACTIV	comments
UG	BU	ACTG1040	Principles Of Financial Accounting			3	The course covers basic financial accounting principles for a business enterprise. Topics include transaction analysis, measurement, summarization, preparation, interpretation and use of financial reports.	Basic financial accounting principles for a business enterprise. Topics include transaction analysis, preparation, interpretation and use of financial reports.						RE		52.0304	201640	201610	Yes	Summer,Fall,Spring		approve
UG	BU	ACTG1050	Principles Of Management Accounting	Prerequisites: ACTG 1040 FOR LEVEL UG WITH MIN. GRADE OF D- OR BUAD 2040 FOR LEVEL UG WITH MIN. GRADE OF D-		3	Management uses of accounting data for analysis, decision making, financial planning and control. Topics include understanding cost behavior, activity-based costing, cost-volume-profit analysis and budgeting.	Management uses of accounting data for analysis, decision making, financial planning and control. Topics include understanding cost behavior, activity-based costing, cost-volume-profit analysis and budgeting. Emphasis on development of critical thinking skills.						RE		52.0305	201640	201610	Yes	Summer,Fall,Spring		approve
UG	BU	ACTG1200	QuickBooks			3	This course will introduce students to QuickBooks software. Students will record financial transactions for fictional companies. Topics include creating a chart of accounts, recording customer and vendor transactions, processing payroll, and printing receipts.	Introduce students to QuickBooks software. Students will record financial transactions for fictional companies. Topics include creating a chart of accounts, recording customer and vendor transactions, processing payroll, and printing receipts.						LB,RE		52.0301	201640	201540	Yes	Fall		approve
UG	BU	ACTG2100	Intermediate Accounting I	Prerequisites: ACTG 1040 FOR LEVEL UG WITH MIN. GRADE OF D- OR BUAD 2040 FOR LEVEL UG WITH MIN. GRADE OF D-		3	In-depth expansion of financial accounting principles and financial statement presentation. Emphasis on balance sheet accounts with particular attention applied to working capital (cash, receivables, inventory, current liabilities, also long-term assets).	In-depth expansion of financial accounting principles and financial statement presentation. Emphasis on balance sheet accounts with particular attention applied to working capital (cash, receivables, inventory, current liabilities, also long-term assets).						RE		52.0301	201610	201610	Yes	Fall,Spring		approve

UG	BU	ACTG2300	Cost Accounting	Prerequisites: ACTG 1040 FOR LEVEL UG WITH MIN. GRADE OF D- OR BUAD 2040 FOR LEVEL UG WITH MIN. GRADE OF D- ACTG 1050 FOR LEVEL UG WITH MIN. GRADE OF D- OR BUAD 2050 FOR LEVEL UG WITH MIN. GRADE OF D-	Practice of cost accounting especially applied to manufacturing business. Includes accounting for materials, labor and overhead under job order and process cost systems and standard costing. 3 crs	Practice of cost accounting especially applied to manufacturing business. Includes accounting for materials, labor and overhead under job order and process cost systems, standard costing, use of the Balanced Scorecard, and quantitative tools useful in decision making. Provides a basic foundation in both financial and management accounting and corporate finance aimed at entry level managers working in a healthcare setting. Explains the basic forms of tax preparation. Consideration of the basic features of the federal income tax system. Emphasis is placed on the determination of taxable income of individuals and corporations. Also covered will be the preparation of the form 1040 both manually and using a commercial computer tax preparation package. 3 crs	RE	52.0301	201640	201540	Yes	Fall, Spring	approve
UG	BU	ACTG2310	Financial Management for Health Care		3 crs	Cost accounting has become an essential part of health care management. The spread of managed care has heightened this need. Traditional cost courses focus primarily on manufacturing. This course provides thorough coverage of the essentials of cost accounting from a health care perspective.	LE	52.0301	201610	201610	Yes	Summer, Spring	approve
UG	BU	ACTG2400	Fundamentals Of Taxation		3 crs	Consideration of the basic features of the federal income tax system. Emphasis is placed on the determination of taxable income of individuals and corporations. Also covered will be the preparation of the form 1040 both manually and using a commercial computer tax preparation package. 3 crs	RE	52.1601	201610	201610	Yes	Spring	approve
UG	BU	BMGT1010	Business Principles		3 crs	An introduction to the world of business focusing on an overview of business operations with special emphasis on management, marketing, accounting and finance.	RE	BMGT1010 52.0201	201640	201610	Yes	Summer, Fall, Spring	approve
UG	BU	BMGT1540	Organizational Behavior		3 crs	This course will address the impact of individual and group behavior on organizations. Topics covered include downsizing, stakeholder management, network organizations, participative management approaches and the quality movement.	RE	52.1003	201640	201610	Yes	Summer, Fall, Spring	approve
UG	BU	BMGT2030	Supervision		3 crs	Explores the role of first-line managers in organizations with special emphasis on the responsibilities of supervisors. These responsibilities include delegation, communication, problem-solving, training and leading.	RE	52.0204	201640	201610	Yes	Summer, Fall, Spring	approve
UG	BU	BMGT2310	Legal Environment Of Business		3 crs	Carefully documents treatment of the legal framework of business. Emphasis on the international aspect of business law. Topics covered include contracts, bailments, agency relationships, legal forms of ownership and negotiable instruments.	RE	52.0201	201640	201610	Yes	Summer, Fall, Spring	approve
UG	BU	CMPT1010	Computer Fundamentals		1 crs	Introduction to microcomputers. Topics covered are hardware, software, computer operation, terminology and applications.	RE	52.0407	201610	201610	No	Fall, Spring	approve
UG	BU	CMPT1020	Computer Concepts		4 crs	Introduction to computer software, hardware, and processes associated with contemporary computer systems. Topics include operating systems, user applications, e-mail, WWW, and search capabilities.	RE	52.0407	201610	201610	Yes	Summer, Fall, Spring	approve
UG	BU	CMPT1110	Pc Operating Systems PC Operating Systems		3 crs	A certification aligned study of both command line and graphical user-based current PC operating systems. Topics include installation and upgrade, configuration, management, troubleshooting and network connectivity.	RE	52.0407	201640	201540	Yes	Summer, Fall, Spring	approve
UG	BU	CMPT1120	Visual Basic Programming		4 crs	A currently popular programming language, such as Microsoft Visual Studio, will be used to create stand-alone applications. Topics such as object-oriented coding, logical procedures and proper documentation are stressed.	RE	11.0202	201610	201610	Yes	Summer, Fall, Spring	approve
UG	BU	CMPT1320	Internet And The World Wide Web Internet & The World Wide Web		1 crs	Topics include history of the Internet, IP addressing, World Wide Web, HTML, XHTML, and CSS. Students will learn the history and functionality of the Internet and create a two-page website using XHTML and CSS.	RE	52.0407	201640	201610	Yes	Summer, Fall, Spring	approve

UG	BU	CMPT1400	Introduction to Web Page Development	Using Dreamweaver students will learn how to plan and develop a successful Web site, organize page content, format Web sites using CSS styles, produce dynamic Web pages and add animation using rich media and reusable assets and forms.	3 cre reusable assets and forms.	Students will learn the basics of creating web sites including how to plan and develop a successful Web site, organize page content, format Web sites using CSS styles, produce dynamic Web pages and add animation using rich media and reusable assets and forms.	LE	52.0407	201640	201610	Yes	Summer,Fall,Spring	approve
UG	BU	CMPT1410	Microsoft Excel Spreadsheet Application	Hands-on analysis of the use of Excel spreadsheets in solving workplace problems with an emphasis on the design of templates to meet the needs of specific applications.	2 cre applications.	Introduces the basic features of Microsoft Excel and spreadsheet concepts to design and create accurate professional worksheets for use in business and industry. Hands-on exercises include entering data; creating formulas; professional formatting; creating charts; adding visual interest, creating, sorting, and filtering lists; creating and using templates; and working with functions. Focuses on proofing methods to ensure accuracy and critical thinking to determine what data to present and how to present it.	RE	52.0407	201640	201610	Yes	Summer,Fall,Spring	approve
UG	BU	CMPT1420	Microsoft Access Database Applications	Hands-on analysis of the use of Access in solving workplace problems with an emphasis on the entering, updating, manipulating, storing and retrieving of information.	2 cre information.	Introduces the basic features of Microsoft Word and word processing concepts to create, edit, and print documents for use in business, industry, and to enhance professional documents. Hands-on exercises include creating and formatting letters, memos, and business documents; producing multi-page documents; creating headers and footers, becoming familiar with the writing/editing tools; enhancing documents with images; creating and formatting tables, and producing mail-merged letters, envelopes, and mailing labels.	RE	52.0407	201640	201610	Yes	Summer,Fall,Spring	approve
UG	BU	CMPT1430	Microsoft Word	MS Word will teach students word processing concepts and applications using industry standard software. Students will prepare a variety of documents and master basic software functions in an effective and efficient manner.	2 cre manner.	Introduces the basic features of Microsoft PowerPoint and electronic presentation concepts to create, edit, and deliver presentations for use in business, industry, and to enhance informational presentations. Emphasis includes planning, creating, and editing presentations for delivery on a projection system, personal computer, or to run automatically on a kiosk system. Exercises include designing using themes, applying animations, sound, and transitions; using and customizing templates; and adding tables, charts and graphics for improved comprehension and clarity.	RE	52.0407	201640	201610	Yes	Summer,Fall,Spring	approve
UG	BU	CMPT1440	Microsoft Powerpoint Presentation	Students will learn basic to advanced features of PowerPoint software from creating a presentation and adding graphics to presenting a slide show and integrating PowerPoint with other software.	2 cre integrating PowerPoint with other software.	Students will learn a popular messaging and personal information management program used to send and receive e-mail and manage messages, contacts, appointments and tasks.	LE	52.0407	201640	201610	Yes	Summer,Fall,Spring	approve
UG	BU	CMPT1450	Microsoft Outlook	Students will learn a flexible messaging and personal information management program used to send and receive e-mail and manage messages, contacts, appointments and tasks.	1 cre appointments and tasks.	This course offers the opportunity to learn entry-level web animation that includes frame by frame animation, animated shapes, using masks, and motion tweens. In this course you will be learning how to create animated holiday e-cards, animated short movies, and much more.	LE	52.0407	201640	201610	Yes	Summer,Fall,Spring	approve
UG	BU	CMPT1500	Flash Web Animation	Students will learn entry-level web animation using Adobe Flash. Students will learn to create an animated business card, websites, actions script special effects.	3 cre movies, buttons and navigation.		LE	UC4989 52.0407	201610	201610	Yes	Summer,Fall,Spring	approve

UG	BU	CMPT1520	Beginning Adobe Illustrator	Explores the use of computers for digital image creation using Adobe Illustrator. Concepts, techniques and applications also covered. Students create print, presentation and Web graphics.	3 cre	LE	52.0407	201640	201540	Yes	Summer,Fall, Spring	approve
UG	BU	CMPT1530	Beginning Adobe Photoshop	Hands-on exploration of digital imaging using Adobe Photoshop. Topics include photo-retouching, imaging and editing techniques, color painting and Web applications.	3 cre	LE	52.0407	201630	201610	Yes	Summer,Fall, Spring	approve
UG	BU	CMPT1600	Internet Design And Publishing Internet Design & Publishing	This course offers a broad overview and extensive practical experience in the design and production of Web pages. Students learn current Web design technology and create Web pages using Microsoft Expression Web.	3 cre	LE	52.0407	201640	201610	Yes	Summer, Fall, Spring	approve
UG	BU	CMPT1700	Podcasting, Vodcasting, and Blogging Blogging and Social Media	This course offers a broad overview and extensive practical experience in the design and production of web sites containing podcasts, vodcasts, and blogs. Students will learn how to plan, record, edit, and publish.	3 cre	OT	11.0101	201640	201540	Yes	Summer, Fall, Spring	approve
UG	BU	CMPT2030	C Family Programming	Students are introduced to the C family of programming languages. Students will write computer programs using the most up-to-date versions of this language family.	4 cre	RE	52.0407	201640	201540	Yes	Fall, Spring	approve
UG	BU	CMPT2410	Adobe InDesign Desktop Publishing	This course will use Adobe InDesign to enable the student to learn the elements of the publishing cycle: writing, editing, typesetting, design, graphic production, page makeup and final publication. Newsletters, brochures, pamphlets and fliers will be produced.	3 cre	RE	52.0407	201610	201610	Yes	Fall, Spring	approve

Introduces the creation of professional vector images using Adobe Illustrator Creative Cloud. Hands-on exercises include creating logos, illustrations, brochures, and posters. Techniques studied include drawing basic shapes, creating vector paths, using the pen and pencil tools, brushes, and symbols, transforming artwork, creating patterns, gradients, blends, symbols, and creating compound paths. Additional topics covered are color theory, typography, 3D vector effects, drawing in perspective, creating illustration components for the web, and importing images.

Introduces the creation of professional raster photos using Adobe Photoshop Creative Cloud, Camera Raw, and Bridge. Hands-on exercises include photo retouching and repairing; color painting; applying masking, layer styles, and filters; advanced compositing; designing with type; vector drawing techniques; preparing files for the Web; and using Photoshop's automation features. Additional topics covered are image resolution; file formats; color theory; ethical and copyright issues involving photo editing; and using various tools and features.

This course offers a broad overview and extensive practical experience in the design and production of Web pages. Students learn current Web design technology.

This course offers a broad overview and extensive practical experience with blogging and social media. In this course, you will learn about designing a blog site and gain practical experience. You will also be learning about all the new social media available on the web.

Introduces the creation of professional desktop published documents using Adobe InDesign Creative Cloud, to design effective and engaging print publications, such as announcements, fliers, advertisements, and reports. Hands-on exercises include designing and modifying layouts, creating master pages and styles, importing, flowing, and editing text, importing graphics, and designing tables. Additional topics include typography and design basics, creating PDF forms, exploring the publishing cycle, printing and exporting basics, and creating eBooks.

Summer, Fall, Spring

Summer, Fall, Spring

Summer, Fall, Spring

Summer, Fall, Spring

Fall, Spring

Fall, Spring

UG	BU	CMP2430	Advanced Microsoft Word	Prerequisites: CMP2 1430 FOR LEVEL UG WITH MIN. GRADE OF D-	2 cre	This hands-on course will use Microsoft Word to teach advanced document production skills including generating large documents, and creating professional print, Web, and graphic features.	Covers advanced features of Word through complex formatting techniques such as customizing paragraphs and pages; using bullets and multi-level numbering features; and formatting long documents with separate sections, headers, and footers. Hands-on exercises include proofing with spelling, grammar, and readability tools; using auto-entry and customization features; working with styles and macros; creating reference footnotes for academic papers; generating tables of content and indexes; working with, comparing, and tracking shared documents, and embedding, and linking objects.	LE	52.0407	201640	201440	Yes	Fall, Spring	approve
UG	BU	CMP2460	Advanced Microsoft Excel Spreadsheet	Prerequisites: CMP2 1410 FOR LEVEL UG WITH MIN. GRADE OF D-	2 cre	Students will learn intermediate and advanced functions of Microsoft Excel Spreadsheets in order to utilize them effectively in workplace situations.	Covers advanced features of Excel to design and create accurate, professional worksheets using advanced functions and formulas. These include financial, logical, statistical, lookup, and database functions. Hands-on exercises include exploring the advanced features of data tables, creating complex graphs, using pivot tables; performing "what-if" data analysis; examining various scenario models, protecting and sharing workbooks, using 3-D cell references, automating with macros; and importing, exporting, and distributing data, and customizing the software to suit various needs.	LE	52.0407	201610	201610	Yes	Fall, Spring	approve
UG	BU	CMP2530	Intermediate Adobe Photoshop Advanced Adobe Photoshop (name change was approved by Faculty Senate on 4/12/11)	Prerequisites: CMP2 1530 FOR LEVEL UG WITH MIN. GRADE OF D-	3 cre	An intermediate, hands-on exploration of Adobe Photoshop for digital imaging. Students capture, create, manipulate and edit images for high-end output.	Covers professional production techniques using advanced features of Adobe Photoshop Creative Cloud to achieve the most effective visual results. Hands-on exercises stress advanced layer techniques, advanced selection techniques, complex path creation with the Pen tool, and in-depth use of levels and curves for tonal enhancement. Additional topics include sharpening images, complex compositions, painterly effects, Photoshop's vector tools, creating images for web and application design, and exploring Photoshop's automation tools.	LE	52.0407	201610	201610	Yes	Fall, Spring	approve
UG	BU	CMP2620	Web Site Maintenance Website Redesign (name change was approved by Faculty Senate on 4/12/11)		3 cre	This course develops skills for students who will function as Web developers or project managers responsible for increasing Web site traffic, updating Web content and designs. Students learn planning issues related to Web design and redesign.		LE	52.0407	201610	201610	Yes	Fall, Spring	approve
UG	BU	CNET2100	Microsoft Operating Systems		3 cre	In-depth study of a contemporary network operating system. Topics include operating system installation and upgrade, configuration, management and troubleshooting.		LB, RE	52.0407	201640	201540	Yes	Fall, Spring	approve
UG	BU	CNET2150	Computer Hardware		3 cre	Knowledge of computer hardware for the purpose of acquisition, installation and maintenance at the equipment level. The curriculum is aligned with the A+ certification standards.		LE	52.0407	201640	201540	Yes	Summer, Fall, Spring	approve
UG	BU	CNET2200	Network Technologies		4 cre	Examines the network technologies utilized in today's networks. Emphasis is placed on understanding hardware and software concepts and protocols referred to in technical publications and advanced network studies.		LB, RE	52.0407	201630	201610	Yes	Summer, Fall, Spring	approve
UG	BU	CNET2300	Linux Operating Systems Network Operating Systems Approved Faculty Senate 2011	Prerequisites: CNET 2100 FOR LEVEL UG WITH MIN. GRADE OF D- Removed Fall 2011 Prerequisites: CNET-2400 FOR LEVEL UG WITH MIN. GRADE OF D-	4 cre	This course builds on CNET 2100 by offering in-depth study of a second contemporary network operating system. Topics include operating system installation and upgrade, configuration, management and troubleshooting.	This course offers an in-depth study of a contemporary network operating system. Topics include operating system installation and upgrade, configuration, management and troubleshooting.	LB, RE	52.0407	201610	201610	Yes	Fall, Spring	approve
UG	BU	CNET2400	Microsoft Directory Services Network Operating Systems Support-Approved Faculty Senate 2011	Prerequisites: CNET 2200 FOR LEVEL UG WITH MIN. GRADE OF D- Removed Fall 2011 Prerequisites: CNET 2300 FOR LEVEL UG WITH MIN. GRADE OF D-	4 cre	Examines the support aspects of a contemporary network operating system in a local area network environment. Topics include operating system installation, upgrade, configuration, management and troubleshooting.		LB, RE	52.0407	201610	201610	Yes	Spring	approve

UG	BU	CNET2410	Network Services and Infrastructures	Prerequisites: CNET 2400 FOR LEVEL UG WITH MIN. GRADE OF D-	This course culminates the CNET server curriculum by focusing on vital network services and supporting network infrastructure. Topics include network budgeting, design, planning and implementation, as well as enterprise-wide internetworking.	3 crs	LE	52.0407	201610	201610	Yes	Fall, Spring	approve	
Inactive														
UG	BU	ACTG1250	Spreadsheet Applications in Accounting	Prerequisites: ACTG 1040 FOR LEVEL UG WITH MIN. GRADE OF D- OR BUAD 2040 FOR LEVEL UG WITH MIN. GRADE OF D-	Spreadsheet programs will be used in budgeting, financial management, preparation of financial statements, creation of business documents and other financial applications.	2 crs	LB	52.0301	200910	200910	Yes	Spring		
UG	BU	CMPT1050	Scripting Languages		Introduces scripting technology focusing on industry trends and standards. Students will demonstrate the ability to evaluate, learn and adopt new scripting languages such as JavaScript.	4 crs	RE	52.0407	201010	200910	Yes	Spring		
UG	BU	CMPT1470	Crystal Reports		Crystal Reports teaches students how to create reports utilizing various data sources such as Microsoft Access, Paradox, and others. It incorporates maps and graphs and presents data in an easy-to-read format.	3 crs	OT	11.0501	200940	Pre-Banner or No		Summer, Fall		
UG	BU	CMPT1510	Digital Imaging	Prerequisites: CMPT 1100 FOR LEVEL UG WITH MIN. GRADE OF D-	This course offers a broad overview and extensive practical experience in the production of digital images. Students create digital images using scanners, video and digital cameras. Image resolution, format options, color correction, screen frequency, halftones and reproduction are also covered.	2 crs	LE	52.0407	201110	200910	Yes	Fall, Spring		
UG	BU	CMPT1540	Digital Video	Prerequisites: CMPT 1100 FOR LEVEL UG WITH MIN. GRADE OF D-	Explores use of video editing software. Students will analyze, evaluate, describe terminology. Also develop proficiency in desktop video production and create an electronic resume using popular video-editing software.	3 crs	LE	52.0501	200840	Pre-Banner or No		Fall		
UG	BU	CNET2420	Enterprise Network Services	Prerequisites: CNET 2410 FOR LEVEL UG WITH MIN. GRADE OF D-	This course builds on CNET 2410 by examining services available on enterprise networks. Topics include enterprise-wide directory and network services design, configuration, management and troubleshooting.	4 crs	LE	52.0407	201110	201110	Yes	Spring		
Inactive														
UG	BU	ACTG1060	Technical Financial Accounting For Accounting Majors	Prerequisites: ACTG 1040 FOR LEVEL UG WITH MIN. GRADE OF D- OR BUAD 2040 FOR LEVEL UG WITH MIN. GRADE OF D-	Extensive work on accounting cycle including preparation of financial statements, and development and use of account information in business application areas.	2 crs	RE	52.0301	Pre-Banner or Not Offr	Pre-Banner or Pre-Banner or Not Off	Pre-Banner or			
UG	BU	ACTG2350	Managerial Accounting	Prerequisites: ACTG 2300 FOR LEVEL UG WITH MIN. GRADE OF D-	Emphasis on the use of accounting information internally for decision-making by managers of business entities.	3 crs	RE	52.0301	Pre-Banner or Not Offr	Pre-Banner or Pre-Banner or Not Off	Pre-Banner or			
UG	BU	ACTG2630	Payroll Accounting		This course will teach students the development and maintenance of appropriate reports, retention periods and tax filings.	1 crs	RE	52.0301	Pre-Banner or Not Offr	Pre-Banner or Pre-Banner or Not Off	Pre-Banner or			
UG	BU	ACTG2710	Certified Bookkeeper Exam Review		Will prepare students for National Certified Bookkeeper Exam. Course covers all five required skill areas: merchandise inventory, payroll, depreciation, correcting and adjusting entries.	3 crs	LE	52.0302	Pre-Banner or Not Offr	Pre-Banner or Pre-Banner or Not Off	Pre-Banner or			
UG	BU	ACTG2940	Cooperative Education In Accounting	Prerequisites: ACTG 1200 FOR LEVEL UG WITH MIN. GRADE OF D-	Cooperative education in accounting is the integration of classroom theory with practical work experience in the related field. Work related jobs must be investigated and approved by the co-op instructor. Instructor permission is required.	3 crs	FE	52.0301	Pre-Banner or Not Offr	Pre-Banner or Pre-Banner or Not Off	Pre-Banner or			
UG	BU	ACTG2980	Special Topics In Accounting	Prerequisites: ACTG 2100 FOR LEVEL UG WITH MIN. GRADE OF D-	Current developments in accounting research and theory and literature discussed in seminar manner. Topics selected from all areas of accounting.	1-3 crs	RE	52.0301	Pre-Banner or Not Offr	Pre-Banner or Pre-Banner or Not Off	Pre-Banner or			
UG	BU	ACTG2990	Independent Study- Accounting		Students will study an appropriate subject mutually agreed upon between the student and instructor. The format may include lecture, computer lab and/or practical experience.	1-4 crs	IS	52.0301	Pre-Banner or Not Offr	Pre-Banner or Pre-Banner or Not Off	Pre-Banner or			
UG	BU	ADOT2270	Pc Keyboarding III	Prerequisites: ADOT 1110 FOR LEVEL UG WITH MIN. GRADE OF D-	Advanced instruction with emphasis on setting priorities, following directions, evaluating document formats and mailability, composing administrative business correspondence, demonstrating quality and efficiency in document production using industry standard word processing software.	3 crs	RE	52.0803	Pre-Banner or Not Offr	Pre-Banner or Pre-Banner or Not Off	Pre-Banner or			
UG	BU	ADOT2990	Independent Study		Students will study an appropriate subject mutually agreed upon between the student and instructor. The format may include lecture, computer lab and/or practical experience.	1-3 crs	IS	52.0803	Pre-Banner or Not Offr	Pre-Banner or Pre-Banner or Not Off	Pre-Banner or			
UG	BU	BMGT1850	Principles Of Total Quality Management Documentation And Implementation Of	Prerequisites: BMGT 1800 FOR LEVEL UG WITH MIN. GRADE OF D-	An introduction to the basic philosophies, concepts and tools of Quality Management. Continuous improvement, customer focus and appropriate measurement of quality are covered.	3 crs	LE	52.0201	Pre-Banner or Not Offr	Pre-Banner or Pre-Banner or Not Off	Pre-Banner or			
UG	BU	BMGT2800	Iso/Os 9000 Quality Assurance Standards	Prerequisites: BMGT 1850 FOR LEVEL UG WITH MIN. GRADE OF D-	Gain an understanding of the ISO 9000 and QS 9000 quality standards requirements and the actions and decisions necessary to successfully gain ISO/QS 9000 registration.	3 crs	LE	52.0407	Pre-Banner or Not Offr	Pre-Banner or Pre-Banner or Not Off	Pre-Banner or			
UG	BU	CMPT2400	Microcomputer Project	Prerequisites: CNET 2200 FOR LEVEL UG WITH MIN. GRADE OF D-	Provides practical experience in applying concepts studied in previous courses to a systems design project. The project consists of student teams performing the analysis, design, software selection, testing and implementation of a microcomputer system for a business.	4 crs	LB, RE	52.1201	Pre-Banner or Not Offr	Pre-Banner or Pre-Banner or Not Off	Pre-Banner or			

UG	BU	CMP2630	Mous Certification Concepts	Prerequisites: (CMPT 1410 FOR LEVEL UG WITH MIN. GRADE OF D- AND CMPT 1420 FOR LEVEL UG WITH MIN. GRADE OF D- AND CMPT 1430 FOR LEVEL UG WITH MIN. GRADE OF D- AND CMPT 1440 FOR LEVEL UG WITH MIN. GRADE OF D-)	Students will reinforce Word, Excel, Access and PowerPoint concepts to prepare them to take Microsoft Office User Specialist (MOUS) certification tests in these 2 crs areas.			LE		52.1201	Pre-Banner or Not Off	Pre-Banner or	Pre-Banner or Not Off	Pre-Banner or
UG	BU	CNET2940	Network Capstone Project	Prerequisites: CNET 2200 FOR LEVEL UG WITH MIN. GRADE OF D- AND CNET 2400 FOR LEVEL UG WITH MIN. GRADE OF D-	Practical experience in a networking environment in an educational setting or at a workplace. Conducted under 2 crs faculty supervision.			LB,LE		11.0202	Pre-Banner or Not Off	Pre-Banner or	Pre-Banner or Not Off	Pre-Banner or
UG	BU	MARS1720	Sales Force Management		Analysis and examination of the sales management function in the consumer and industrial markets. Organizing, recruiting, selecting, hiring, staffing, training, compensating and evaluating an outside sales 3 crs force.			RE		52.1801	Pre-Banner or Not Off	Pre-Banner or	Pre-Banner or Not Off	Pre-Banner or
UG	BU	MARS2120	Industrial Marketing Management	Prerequisites: MARS 1010 FOR LEVEL UG WITH MIN. GRADE OF D-	Primary focus on development of strategies for business-to-business markets. Case approach used to study distinctions between industrial and consumer demand and general characteristics that influence industrial 3 crs buying behavior.			RE		52.1801	Pre-Banner or Not Off	Pre-Banner or	Pre-Banner or Not Off	Pre-Banner or
UG	BU	MARS2940	Marketing And Sales Field Experience	Prerequisites: MARS 1010 FOR LEVEL UG WITH MIN. GRADE OF D-	Independent field experience is designed to provide a student the opportunity to observe marketing and/or sales and retail management activities first-hand in an appropriate employment setting. Students meet with the instructor at prearranged times to discuss progress 3 crs and learning outcomes.			FE,RE		52.1899	Pre-Banner or Not Off	Pre-Banner or	Pre-Banner or Not Off	Pre-Banner or

Finance & MGMT & IOMT courses are in a PDF documents

COURS	COLLE	COURSE_IDE	COURSE_TITLE	CREDIT_HOURS	COURSE_DESCRIPTION	UT_CORE	MULTICU	OTHER_ATTRIBUTE	PREREQS	REVISED_PI	COREQS	REVISED_CC	CATALOG	REVISED_LE	HISTORICAL_CROSS_L	CIP_CODE_BA	LAST_TERM_OFFEREI	LAST_TERM_V	TAUGHT_DL_BLENDED	OFFER#	INACTIVATE
UG	HE	HCAR4360	Quality Improvement In Health Care	[3 credit hours]	Purpose and philosophy of quality assessment and system design. Selection/application of tools for data collection, analysis and problem resolution. Incorporates requirements of Joint Commission on the Accreditation of Healthcare Organizations.				Prerequisites: DST 2020 FOR LEVEL UG WITH MIN. GRADE OF D- Prerequisites: DST 3020 FOR LEVEL UG WITH MIN. GRADE OF D-	None.		LE		HIST3470,HIST3980	05.0210	201610	201610	No	Fall,Spr		approve
UG	HE	HCAR4540	Internship In Health Management	[3 credit hours]	Internship in institutional health care focusing on mid-management.				Prerequisites: DST 3020 FOR LEVEL UG WITH MIN. GRADE OF D-	DST 2020		SE		MLS6020,MLS6500	24.0103	201510	201510	Yes	Fall,Spr		approve
UG	HE	HEAL2000	Foundations Of Health Education	[3 credit hours]	Designed to acquaint students with basic information, history, philosophy and competencies unique to health educators in both the school and community setting. The Competencies for Entry-Level Health Educators will be introduced in this course and a portfolio documenting achievement in each competency will be started.				Prerequisites: DST 4890 FOR LEVEL UG WITH MIN. GRADE OF D- Prerequisites: DST 3020 FOR LEVEL UG WITH MIN. GRADE OF D-	DST 2020		SE		24.0103	201640	201610	Yes	Summe		approve	
UG	HE	HEAL2940	Practicum In Community Health	[1 credit hour]	Supervised field experience with community health agency. Students work under direct supervision of the agency's staff and a University supervisor.				Prerequisites: DST 4890 FOR LEVEL UG WITH MIN. GRADE OF D- Prerequisites: DST 3020 FOR LEVEL UG WITH MIN. GRADE OF D- AND DST 3030 FOR LEVEL UG WITH MIN. GRADE OF D-	DST 2020		SE		05.0210	Pre-Banner or Not Off	Pre-Banner or	Pre-Banner or Not Offer	Pre-Ban		approve	
UG	HE	HEAL3100	Health Education For Early Childhood Educators	[2 credit hours]	This course will focuses on developmentally integrated learning experiences in basic health, safety and nutrition, health appraisal procedures, and utilization of community resources.				Provides future early childhood educators with the knowledge and skills necessary to teach and support healthy behaviors among the early childhood population through the establishment of a positive learning environment and the creation and delivery of developmentally appropriate hands-on health education lessons.	EDU 1700		LE		13.1307	201640	201610	No	Summe		approve	
UG	HE	HEAL3200	Consumer Health	[3 credit hours]	An examination of responsible and fraudulent practices in the health field. Evaluation of selected health services, products, fads and types of quackery.				Prerequisites: HEAL 2500 FOR LEVEL UG WITH MIN. GRADE OF D-	Drop Prereq Prerequisites: HEAL 2000, HEAL 2700, and HEAL 2750.		LE		51.0001	201610	201610	Yes	Fall,Spr		approve	
UG	HE	HEAL4200	Methods And Materials In Community Health	[3 credit hours]	Introduces students to resource materials and methods appropriate for community health education. Students will use various mediums of instruction in direct application to community health programs.				Designed for senior-level students to advance their knowledge and skills in needs assessment, program design, program implementation, program management, and program evaluation.			LE		51.0001	201640	201540	No	Fall,Spr		approve	
UG	HE	HEAL4400	Health Problems Of Youth	[3 credit hours]	Designed to provide education majors with the knowledge and skills to help identify, understand and prevent preadolescent and adolescent health problems which directly impact school and future success.				Provides education majors the knowledge and skills necessary to help identify, understand, and prevent preadolescent and adolescent health problems and risky health behaviors which directly impact school and future success.			LE		51.0001	201610	201610	No	Summe		approve	

UG	HE	HEAL4800	Public Health Research And Statistics	[3 credit hours]	An examination of research and statistical techniques commonly employed in the health field. Topics will include research design, ethics of research, hypothesis testing and critiques of published research in health journals.		Prerequisite es: HEAL 2750 FOR LEVEL UG WITH MIN. GRADE OF B- AND HEAL 3600 FOR LEVEL UG WITH MIN. GRADE OF B-	LE	51.2202	201610	201610	No	Spring	approve	
UG	HE	HEAL4900	Health Education Seminar	[1-3 credit hours]	Seminars are developed around selected topics of interest and allow in-depth consideration of the subject. They provide the student with advanced study in the area.			LE	CRIM4490,HEAL4900, HEAL5930,LGL4990,5 OCW4980	13.1307	201640	201540	Yes	Fall,Spr	approve
UG	HE	HEAL4940	Senior Field Experience	[1-9 credit hours]	Planned supervised field experience with a health related agency. Students will work under direct supervision of staff personnel of the specific agency and a university supervisor.	Provides students the opportunity to develop the competencies necessary to assume responsibilities as an entry-level public health specialist through on-site work experiences in a public health agency, organization, or industry. Students will work under direct supervision of the agency's staff and a University supervisor.		IS,LE		51.0001	201640	201610	Yes	Summer	approve
UG	HE	HIM2230	Healthcare Document Requirement	[3 credit hours]	Inpatient and ambulatory health care data requirements will be identified and analyzed, including collection, analysis and implementation. Form design and screen design will be developed and reviewed.	Inpatient and ambulatory health care data requirements will be identified and analyzed, including collection, analysis, and implementation. This course also includes aspects related to medical staff, personnel requirements, licensing, certifying, and accrediting agencies.	Prerequisites: HEAL 1800 FOR LEVEL UG WITH MIN. GRADE OF D-	LE		51.0706	201640	201610	Yes	Fall,Spr	approve
UG	HE	HIM2320	Ambulatory Clinical Classifications Systems And Services	[3 credit hours]	Principles of coding with the HCPCS classification system. Practice in the assignment of codes using both computerized and manual methods.	Principles of coding with the Healthcare Common Procedure Coding System (HCPCS) are discussed, and the assignments of codes using both manual and computerized methods are practiced.	Prerequisites: HEAL 1800 FOR LEVEL UG WITH MIN. GRADE OF D- AND HIM 2210 FOR LEVEL UG WITH MIN. GRADE OF D- AND KINE 2570 FOR LEVEL UG WITH MIN. GRADE OF D-	LE		51.0706	201610	201610	Yes	Spring	approve
UG	HE	HIM3240	Health Information Administration Practices	[4 credit hours]	Theory and principles related to facilities, organizations and agencies in healthcare. Focus on HIM strategic planning, departmental responsibilities, marketing, training and development, privacy and security, compliance, and research and epidemiology.	Management theory and principles related to health information management in the acute and non-acute care environments are examined. Business techniques beneficial to health information administrators are identified and analyzed. Management theory and principles related to administration of healthcare service organizations are examined. Focus on strategic planning, accreditation/licensure, marketing, and institutional issues.	Prerequisite e: BUAD 1020 and HIM 2300	LE		51.0706	201640	201610	Yes	Summer	approve
UG	HE	HIM3940	Healthcare Content and Record Management	[4 credit hours]	Generalized health information administrative duties in regards to staffing, managing, record release, storage and retrieval, coding, abstracting, utilization management, quality improvement, computer applications in health information practice.		Prerequisites: HIM 3240 FOR LEVEL UG WITH MIN. GRADE OF D-	LE		51.0706	201640	201540	Yes	Summer	approve
UG	HE	HIM4210	Healthcare Statistics, Registries, Research	[4 credit hours]	Various procedures specific to health information practice will be addressed including medical information, calculation and interpretation of health care statistics, tumor registry and health care records.	Theory of healthcare statistics will be reviewed and students will apply practical application of statistical methods used in healthcare to produce reports. Surveillance mechanisms, including database management used in registries to track various disease processes or injuries will be investigated and researched.	Prerequisites: MATH 2600 FOR LEVEL UG WITH MIN. GRADE OF D- (MAY BE TAKEN CONCURRENTLY)	LE		51.0706	201640	201610	Yes	Summer	approve
UG	HE	HIM4220	Project Management In Healthcare	[3 credit hours]	This course provides an integrated approach to management of diverse projects encountered in acute care and ambulatory healthcare facilities. Software is utilized to simulate actual project management planning and development.		Prerequisite: Junior standing	LE		51.0701	201640	201610	Yes	Summer	approve

UG	HE	HIM4230	Compliance and Ethical Issues	[3 credit hours]	This course presents an overview of the compliance and ethical issues facing the health care industry. The importance of corporate compliance programs and standards, policies, and procedures healthcare organizations should have in place to assure compliance with government funded programs will be the focus of the course. "Senior standing status required"	Prerequisites: Senior Standing	LE	51.0701	201640	201540	Yes	Fall,Spr	approve		
UG	HE	HIM4910	Integrative Capstone Experience	[3 credit hours]	Course consists of demonstrating proficiencies and competencies in HIM core course through project assignments.	The course consists of a demonstration of proficiencies and competencies in Health Information Administration (HIA) core courses and an extensive examination of the cognitive levels required to pass the national Registered Health Information Administration (RHIA) exam and to become an effective healthcare information supervisor.	Prerequisite: Senior Standing & HIM 2350	LB,LE	51.0706	201610	201610	Yes	Fall,Spr	approve	
UG	HE	RCRT1300	Introduction To Recreation And Leisure Studies	[3 credit hours]	A general introductory course which gives an overview of recreation and leisure in educational, governmental, institutional and professional settings. Explores historical, social and economic implications from personal and professional perspectives.	An introductory course which gives an overview of recreation and leisure in educational, governmental, institutional and professional settings. Explores historical, social and economic implications from personal and professional perspectives. Minimum "C" required for RCRT majors.	Prerequisites: RCRT 1300 FOR LEVEL UG WITH MIN. GRADE OF D- (MAY BE TAKEN CONCURRENTLY)	LE	31.0101	201640	201610	No	Summer	approve	
UG	HE	RCRT1310	Recreation Programming	[3 credit hours]	Theories and principles of programming, preparation of materials and resources, and practical experiences in organization and development of exemplary programs and scheduling.	An introductory course which defines the principals of inclusion and major legislation that impacts the provision and delivery of recreational services for individuals with disabilities. Thirty hour volunteer component required. Minimum "C" required for RCRT majors.	Prerequisites: RCRT 1300 FOR LEVEL UG WITH MIN. GRADE OF D- (MAY BE TAKEN CONCURRENTLY)	RE	31.0101	201640	201610	No	Summer	approve	
UG	HE	RCRT3310	Inclusive Recreation	[3 credit hours]	An introductory course into mainstreaming as applied to the delivery of recreation services to individuals with disabilities. Thirty hour volunteer component required.	An introductory course into mainstreaming as applied to the delivery of recreation services to individuals with disabilities. Thirty hour volunteer component required. Minimum "C" required for RCRT majors.	Prerequisites: (RCRT 1310 FOR LEVEL UG WITH MIN. GRADE OF D- AND RCRT 2300 FOR LEVEL UG WITH MIN. GRADE OF D-)	LE	52.0903	Pre-Banner or Not Off	Pre-Banner or Pre-Banner or Not Offer	Pre-Ban	approve		
UG	HE	RCRT3710	Leadership and Administration In Outdoor Pursuits	[3 credit hours]	An introduction to theory and techniques of adventure programming as a treatment protocol and/or leisure education tool.	An introduction to theory and techniques of adventure programming as a treatment protocol and/or leisure education tool. Students learn and apply the components of risk management through the development of a risk management plan and practical implication exercises. Outdoor trips required. Minimum "C" required for RCRT majors.	Prerequisites: (RCRT 1310 FOR LEVEL UG WITH MIN. GRADE OF D- AND RCRT 2300 FOR LEVEL UG WITH MIN. GRADE OF D-)	LE	RCRT5300	51.2309	201640	201610	Yes	Fall,Spr	approve
UG	HE	RCRT4000	Community Event Planning	[3 credit hours]	Travel and Tourism is one of the largest industries in the world today. Students will be introduced to the principles of tourism, industry history, types and functions of tourism sectors, the tourism distribution system, the role of stakeholders in the creation and delivery of tourism, and motivations for travel as a means of understanding tourism demand.	This course introduces the principles, strategies, and risk management concerns for planning a variety of events to achieve treatment outcomes and community/social integration. Students gain experience planning accessible events for a variety of group sizes and diverse populations. Event critiques required. Minimum "C" required for RCRT majors.		LB,LE	RCRT4900,RCRT5610	51.2309	201640	201610	No	Fall,Spr	approve
UG	HE	RCRT4010	Planning & Promotion of Sport	[3 credit hours]	This course focuses on the basic principles of marketing to diverse sport industries with emphasis on intercollegiate athletics, professional sport, and multi-sport club operations.	This course focuses on the basic principles of marketing and delivery of services associated with intercollegiate athletics, professional, and multi-sport club operations, facilities and management of resources. This course also examines motivation and behavior of sports tourists.		LE	RCRT6990	52.0903	201640	201540	Yes	Summer	approve
UG	HE	RCRT4330	Administration In Recreation And Recreational Therapy	[3 credit hours]	The political and economic policy and decision making in recreation and recreational therapy are investigated. Content includes the investigation of financial resources, management and marketing of recreation and recreational therapy from an administrative perspective.	This course focuses on the administrative functions of delivering therapeutic recreation services. Students will gain an understanding of the aspects of management principles including ethics, legislation, technology, quality management, risk management, financial and human resources, marketing, and accrediting agencies. Minimum "C" required for RCRT majors.	Prerequisite es: Professional Sequence Acceptanc e	LE	RCRT5200,RCRT6990	51.2309	201640	201540	Yes	Fall	approve
UG	HE	RCRT4340	Leisure Recreation And Aging	[3 credit hours]	This course provides a study of leisure and recreation activities for the older adult by investigating the aging process and the impact of leisure and recreation programming in the process.	This course provides a study of the impacts of aging on leisure and recreation activities during middle and later adulthood by investigating the aging process, leisure across the lifespan, and the impact of leisure and recreation on quality of life and wellness. Minimum "C" required for RCRT majors.	Prerequisite es: Professional Sequence Acceptanc e	LE	RCRT5320	31.0301	201610	201610	Yes	Fall,Spr	approve
UG	HE	RCRT4450	Research Applications In Recreation And Recreational Therapy	[3 credit hours]	A critical study of the problems relating to the evaluation of park and recreation programs. Students will conduct assigned field studies to become familiar with current recreation program research practices.	This course introduces research applications utilized by Recreation Therapy practitioners. Students will learn about evidence based practice, development and implementation of survey research, and the use of experimental designs. Minimum "C" required for RCRT majors.	Prerequisite es: Professional Sequence Acceptanc e	LE	RCRT5340	51.2309	201640	201610	Yes	Fall,Spr	approve
UG	HE	RCRT4600	Therapeutic Arts	[1 credit hour]	Provides the student with fundamental skills needed to implement therapeutic outcomes using crafts.	This course provides the student the fundamental skill development needed to implement therapeutic outcomes using arts and crafts modalities. Minimum "C" required for RCRT majors.	Prerequisite es: Professional Sequence Acceptanc e	LE	RCRT5410	31.0301	201510	201510	Yes	Summer	approve
UG	HE	RCRT4610	Rt Intervention: Horticulture Therapy	[1 credit hour]	Provides the student with fundamental skills needed to implement therapeutic outcomes using plants.	This course provides the student the fundamental skill development needed to implement therapeutic outcomes using horticulture modalities. Minimum "C" required for RCRT majors.	Prerequisite es: Professional Sequence Acceptanc e	LE		31.0301	201640	201540	No	Fall,Spr	approve

UG	HE	RCRT4620	Animal Assisted Therapy	[1 credit hour]	Provides the student with fundamental skills needed to implement therapeutic outcomes using animals.	This course provides the student the fundamental skill development needed to implement therapeutic outcomes using a variety of animal-assisted modalities. Minimum "C" required for RCRT majors.	Prerequisite es: Professional Sequence Acceptance Prerequisite es: Professional Sequence Acceptance	LB	RCRT5900	51.2309	201640	201610	No	Fall,Spr	approve
UG	HE	RCRT4630	Therapeutic Activities	[1 credit hour]	Provides the student with fundamental skills needed to implement therapeutic outcomes using games, humor and play activities.	This course provides the student the fundamental skill development needed to implement therapeutic outcomes using a variety of games, humor and play modalities. Minimum "C" required for RCRT majors.	Prerequisite es: Professional Sequence Acceptance Prerequisite es: Professional Sequence Acceptance	LB	RCRT5910	51.2309	201640	201610	No	Fall,Spr	approve
UG	HE	RCRT4640	Rt Intervention: Therapeutic Groups	[1 credit hour]	Provides the student with fundamental skills needed to implement therapeutic outcomes using groups.	This course provides the student the fundamental skill development needed to implement therapeutic outcomes using therapeutic group techniques and processes as a modality. Minimum "C" required for RCRT majors.	Prerequisite es: Professional Sequence Acceptance Prerequisite es: Professional Sequence Acceptance	LB	RCRT5620	51.2309	201640	201610	No	Fall,Spr	approve
UG	HE	RCRT4660	Relaxation And Stress Management	[1 credit hour]	Provides the student with fundamental skills needed to implement therapeutic outcomes using relaxation and stress management techniques.	This course provides the student the fundamental skill development needed to implement therapeutic outcomes using relaxation and stress management techniques as a modality. Minimum "C" required for RCRT majors.	Prerequisite es: Professional Sequence Acceptance Prerequisite es: Professional Sequence Acceptance	LB	RCRT5630	51.2309	201640	201610	No	Fall,Spr	approve
UG	HE	RCRT4670	Rt Intervention: Leisure Education	[1 credit hour]	Provides the student with fundamental skills needed to implement therapeutic outcomes using leisure education activities, including social skills, values clarification and leisure: awareness, resources and knowledge.	This course provides the student the fundamental skill development needed to implement therapeutic outcomes using leisure education activities, including: social skills, values clarification, leisure awareness, resources and knowledge. Minimum "C" required for RCRT majors.	Prerequisite es: Professional Sequence Acceptance Prerequisite es: Professional Sequence Acceptance	LB	RCRT5640	51.2309	201640	201610	No	Fall,Spr	approve
UG	HE	RCRT4680	Rt Intervention: Assistive Technology And Techniques	[1 credit hour]	Provides the student with fundamental skills needed to implement therapeutic outcomes using assistive technology and techniques.	This course provides the student the fundamental skill development needed to implement therapeutic outcomes utilizing assistive technology, techniques, and resources in therapeutic settings. Minimum "C" required for RCRT majors.	Prerequisite es: Professional Sequence Acceptance Prerequisite es: Professional Sequence Acceptance	LB	RCRT5660	51.2309	201640	201610	No	Fall,Spr	approve
UG	HE	RCRT4690	Rt Intervention: Aquatic Therapy	[1 credit hour]	Provides the student with fundamental skills needed to implement therapeutic outcomes using swimming and aquatic programming.	This course provides the student the fundamental skill development needed to implement therapeutic outcomes utilizing swimming, evidence-based aquatic programming methods, and resources. Minimum "C" required for RCRT majors.	Prerequisite es: Professional Sequence Acceptance Prerequisite es: Professional Sequence Acceptance	LB	RCRT5670	51.2309	201640	201610	No	Fall,Spr	approve
UG	HE	RCRT4730	Medical And Clinical Aspects Of Therapeutic Recreation	[3 credit hours]	This course was designed to give students an in-depth knowledge of the medical aspects relating to impairments and their implications for therapeutic recreation practice.	This course is designed to provide the student with in-depth knowledge of health-related conditions or disabilities related to physical, neurological, sensory and metabolic impairments across the lifespan. Uses of pharmacological interventions, family involvement, programming, and other implications impacting Therapeutic Recreation practice will be examined. Minimum "C" required for RCRT majors.	Prerequisite es: Professional Sequence Acceptance Prerequisite es: Professional Sequence Acceptance	LB	RCRT5690	51.2309	201640	201610	No	Fall,Spr	approve
UG	HE	RCRT4740	Assessment And Documentation In Therapeutic Recreation	[3 credit hours]	This course was designed to introduce the student to documentation and assessment skills needed for therapeutic recreation practice including: initial evaluation, treatment plan, progress note and discharge summary.	This course introduces the student to the APIE(D) process, reviews assessment tools (standardized and self-designed) used in practice, common documentation methods and skills needed for therapeutic recreation practice including: initial assessment, treatment planning, documentation, and discharge planning. Minimum "C" required for RCRT majors.	Prerequisite es: Professional Sequence Acceptance Prerequisite es: Professional Sequence Acceptance	LE	RCRT5720	51.2309	201640	201610	No	Fall,Spr	approve
UG	HE	RCRT4750	Group Dynamics In Recreational Therapy	[3 credit hours]	The concepts and theories of therapeutic group process applied to Recreational Therapy group dynamics. These concepts will emphasize group goals, communications, decision making and leadership.	This course introduces students to the concepts and theories of the therapeutic group process as it applies to professional practice. Students will be introduced to and practice: facilitation skills, behavior modification techniques, and effective communication and leadership skills. Minimum "C" required for RCRT majors.	Prerequisite es: Professional Sequence Acceptance Prerequisite es: Professional Sequence Acceptance	LE	RCRT5730	51.2309	201640	201540	No	Fall	approve
UG	HE	RCRT4770	Project Design	[2 credit hours]	This course is designed to give the student an opportunity to design a research project in affiliation with his/her full-time internship in recreation or recreational therapy.	In support of the recreation therapy internship the student will design a capstone project that links practical experience with formal academic preparation.	Prerequisite es: Professional Sequence Acceptance Prerequisite es: Professional Sequence Acceptance	LE		51.2309	201640	201540	No	Fall	approve
UG	HE	RCRT4780	Project Evaluation	[2 credit hours]	This course is designed to give the student an opportunity to implement and evaluate a research project in affiliation with his/her full-time internship in recreation or recreational therapy.	In support of RCRT 4770, this course requires the student to implement, evaluate, and prepare a professional presentation of the recreation therapy internship capstone project.	Prerequisite es: Professional Sequence Acceptance Prerequisite es: Professional Sequence Acceptance	LE	RCRT5750	51.2309	201640	201610	No	Fall,Spr	approve

UG	HE	RCRT4790	Medical & Clinical Aspects in Therapeutic Recreation II	[3 credit hour]	This course is designed to introduce students to those conditions or disabilities that would typically be related to mental retardation/developmental disability, pediatrics and psychiatry. Students will gain an in-depth knowledge of the medical aspects relating to impairments and their implications for therapeutic recreation.	This course is designed to provide the student with in-depth knowledge of health-related conditions or disabilities related to intellectual and developmental disabilities and psychological impairments across the lifespan. Uses of pharmacological interventions, family involvement, programming, and other implications impacting Therapeutic Recreation practice will be examined. Minimum "C" required for RCRT majors.	Prerequisites: RCRT 4730 FOR LEVEL UG WITH MIN. GRADE OF D-	LE	51.2309		Pre-Banner or Not Off	Pre-Banner or	Pre-Banner or Not Offer	Pre-Ban	approve
UG	HE	RCRT4800	Clinical: Physical Rehabilitation	[1 credit hour]	Provides the students with a structured environment to practice assessment, documentation and treatment interventions in a physical rehabilitation or subacute rehabilitation facility.	This course requires a 50-hour practicum experience in a community agency. The practicum experience provides the student a structured environment to apply the APIE(D) process with a physical rehabilitation population. Minimum "C" required for RCRT majors.	Prerequisites: (RCRT 4720 FOR LEVEL UG WITH MIN. GRADE OF D- AND RCRT 4730 FOR LEVEL UG WITH MIN. GRADE OF D- AND RCRT 4740 FOR LEVEL UG WITH MIN. GRADE OF D-)	RCRT4940	51.2309	201630	201530	Yes	Summer	approve	
UG	HE	RCRT4810	Clinical: Psychiatric Rehabilitation	[1 credit hour]	Provides the student with a structured environment to practice assessment, documentation and treatment interventions in a psychiatric rehabilitation facility.	This course requires a 50-hour practicum experience in a community agency. The practicum experience provides the student a structured environment to apply the APIE(D) process with a psychiatric rehabilitation population. Minimum "C" required for RCRT majors.	Prerequisites: (RCRT 4720 FOR LEVEL UG WITH MIN. GRADE OF D- AND RCRT 4730 FOR LEVEL UG WITH MIN. GRADE OF D-)	LE	51.2309	201630	201530	Yes	Summer	approve	
UG	HE	RCRT4820	Clinical: Intellectual Deficit/Developmental Disability	[1 credit hour]	Provides the student with a structured environment to practice assessment, documentation and rehabilitation interventions in ID/DD facility.	This course requires a 50-hour practicum experience in a community agency. The practicum experience provides the student a structured environment to apply the APIE(D) process with an ID/DD rehabilitation population. Minimum "C" required for RCRT majors.	Prerequisites: (RCRT 4720 FOR LEVEL UG WITH MIN. GRADE OF D- AND RCRT 4740 FOR LEVEL UG WITH MIN. GRADE OF D-)	LE	RCRT5790	51.2309	201610	201610	No	Spring	approve
UG	HE	RCRT4830	Clinical: Geriatric	[1 credit hour]	Provides the student with a structured environment to practice assessment, documentation, and habilitation and maintenance interventions in a geriatric facility.	This course requires a 50-hour practicum experience in a community agency. The practicum experience provides the student a structured environment to apply the APIE(D) process with a geriatric population. Minimum "C" required for RCRT majors.	Prerequisites: (RCRT 4720 FOR LEVEL UG WITH MIN. GRADE OF D- AND RCRT 4730 FOR LEVEL UG WITH MIN. GRADE OF D-)	FE,LE	RCRT5800	51.2309	201640	201530	Yes	Summer	approve
UG	HE	RCRT4840	Clinical: Pediatric	[1 credit hour]	Provides the student with a structured environment to practice assessment, documentation, and treatment and education interventions in a pediatric facility.	This course requires a 50-hour practicum experience in a community agency. The practicum experience provides the student a structured environment to apply the APIE(D) process with a pediatric population. Minimum "C" required for RCRT majors.	Prerequisites: (RCRT 4720 FOR LEVEL UG WITH MIN. GRADE OF D- AND RCRT 4730 FOR LEVEL UG WITH MIN. GRADE OF D-)	FE,LE	RCRT5810	51.2309	201640	201610	No	Summer	approve
UG	HE	RCRT4850	Internship Preparation	[1 credit hour]	This course is designed to introduce and explain the project design, project evaluation, internship requirements and the National Council on Therapeutic Recreation certification and/or Certified Park and Recreation Professional requirements.	This course is designed to prepare the student for the internship process and professional employment in recreation therapy. Students will learn and practice professional skills, such as, resume writing, interviewing techniques, and professionalism. Student internship expectations and professional certifications and licensure are also addressed. Minimum "C" required for RCRT majors.	Prerequisites: (RCRT 4720 FOR LEVEL UG WITH MIN. GRADE OF D- AND RCRT 4730 FOR LEVEL UG WITH MIN. GRADE OF D-)	FE,LE	RCRT5820	51.2309	201640	201610	No	Summer	approve
UG	HE	RCRT4860	Therapeutic Fitness	[1 credit hour]	Provides the student with fundamental skills needed to implement therapeutic outcomes using exercise, weightlifting fitness techniques.	This course provides the student the fundamental skill development needed to implement therapeutic outcomes using therapeutic fitness modalities. Minimum "C" required for RCRT majors.	Prerequisites: (RCRT 1310 FOR LEVEL UG WITH MIN. GRADE OF D- AND RCRT 4720 FOR LEVEL UG WITH MIN. GRADE OF D-)	FE,LE	RCRT5830	51.2309	201640	201610	No	Summer	approve
UG	HE	RCRT4870	Program Planning in Recreational Therapy	[3 credit hours]	Application of the Recreation Therapy process (assessment, planning, implementation, evaluation) to design comprehensive treatment programs, protocols and discharge plans.	This course requires the student to apply cumulative knowledge of the APIE(D) process through designing evidence-based: treatment programs, program evaluations, protocols and treatment plans in recreation therapy practice. Minimum "C" required for RCRT majors.	Prerequisites: RCRT 4720 FOR LEVEL UG WITH MIN. GRADE OF D-	CL	51.2309	201640	201530	Yes	Summer	approve	
UG	HE	RCRT4940	Internship In Recreational Therapy	[5 credit hours]	This course is designed to give the student a comprehensive full-time experience in recreational therapy. The student will complete 40 hours per week, 15 week internship. This course will be taken twice in the same semester.	In accordance with the University of Toledo and NCTRC certification requirements, this course requires 560 hours of internship experience over a minimum of 14 consecutive weeks supervised by a CTRS. The internship experience is only offered in the summer and requires faculty approval. Minimum "C" required for RCRT majors.	Prerequisites: (RCRT 4720 FOR LEVEL UG WITH MIN. GRADE OF D- AND RCRT 4730 FOR LEVEL UG WITH MIN. GRADE OF D-)	LB	RCRT5860	51.2309	201640	201610	No	Fall,Spr	approve

UG	HE	HIM2350	Reimbursement Methodologies	[2 credit hours]	DRGs, APCs, RBRVs and reimbursement methods used by federal, state and private insurance. Compliance issues and case mix reviewed. Processes explored for providing and improving healthcare cost containment and quality.	MS-DRGs, APCs, RBRVs, and other reimbursement methods used by federal, state, and private insurance carriers are identified and reviewed. Compliance issues, including coding, billing, and charge master accuracy are identified and reviewed. Case mix and its implications for providing and improving healthcare quality also discussed.	Prerequisites: HIM 2310 FOR LEVEL UG WITH MIN. GRADE OF D- AND HIM 2320 FOR LEVEL UG WITH MIN. GRADE OF D-	Prerequisite es: HIM 2310 FOR LEVEL UG WITH MIN. GRADE OF C AND HIM 2320 FOR LEVEL UG WITH MIN. GRADE OF C AND HIM 3240.	LE		51.0706	201640	201540	Yes	Summer	approve																																																																																																																	
UG	HE	RCRT4720	Introduction To Therapeutic Recreation	[3 credit hours]	Theories, principles and the history of therapeutic recreation will be discussed. Using lectures, discussions and self-directed learning activities, the course will examine the structure and function of therapeutic recreation for individuals with limitations. This course was designed to provide a consideration of problems and provide advanced study in recreation and leisure education not offered as part of the current curriculum.	This course is designed to introduce the student to theories, models, principles, and history of therapeutic recreation service. Through lectures, discussions and self-directed learning activities, the student will examine the structure and function of therapeutic recreation processes in a variety of treatment settings. Minimum "C" required for RCRT majors.			LB		51.2309	201640	201610	No	Fall,Spr	approve																																																																																																																	
UG	HE	RCRT4900	Seminar In Recreation And Leisure	[1-3 credit hours]	Designed to provide students with the opportunity to work individually on professional problems under the direction of faculty of the department of health promotion and human performance. All individual studies must have a specialty title. Seminar sheet required.	This course provides faculty the opportunity to develop additional curriculum in recreation therapy related academic areas not offered as part of the current curriculum. Minimum "C" required for RCRT majors.	Offered with Multip		LE		51.2309	201640	201540	No	Fall,Spr	approve																																																																																																																	
UG	HE	RCRT4990	Independent Study In Recreation And Leisure Studies	[1-3 credit hours]		This course provides students the opportunity to develop an independent learning experience in support of academic and/or professional interests. Minimum "C" required for RCRT majors.	Offered with Multip		LE		51.2309	201610	201610	No	Fall,Spr	approve																																																																																																																	
<table border="1"> <thead> <tr> <th>COURS</th> <th>COLLE</th> <th>COURSE</th> <th>IDE</th> <th>COURSE_TITLE</th> <th>CREDIT_HOURS</th> <th>COURSE_DESCRIPTION</th> <th>REVIS</th> <th>UT_CORE</th> <th>MULTICULTURAL</th> <th>OTHER_A1</th> <th>PREREQS</th> <th>REVISED_PREREQS</th> <th>COREQS</th> <th>REVISED_CO_REQS</th> <th>CATALOG_S</th> <th>REVISED_HISTORICAL_CIP_CODE_BANNER</th> <th>LAST_TERM_C</th> <th>LAST_TERM_WITH_E</th> <th>TAUGHT_DL_E</th> <th>OFFERING_PATTERN</th> <th>INACTIVATE</th> </tr> </thead> <tbody> <tr> <td>UG</td> <td>LS</td> <td>DST3060</td> <td></td> <td>U.S. Disability History</td> <td>[3 credit hours]</td> <td>This course provides a historical overview of the lived experiences of people defined as disabled and changing historical definitions of disability in the region that became the United States of America. We will consider how major historical forces such as capitalism, industrialization, colonialism, and democratic ideals have impacted and been shaped by people with disabilities.</td> <td></td> <td></td> <td></td> <td></td> <td>Prerequisites: DST 2020 FOR LEVEL UG WITH MIN. GRADE OF D- None.</td> <td></td> <td></td> <td>LE</td> <td></td> <td>HIST3470,HI ST3980</td> <td>05.0210</td> <td>201610</td> <td>201610</td> <td>No</td> <td>Fall, Spring</td> <td>approve</td> </tr> <tr> <td>UG</td> <td>LS</td> <td>DST4890</td> <td></td> <td>Disability Studies Research And Methodologies</td> <td>[3 credit hours]</td> <td>An interdisciplinary exploration and review of research issues and methodologies suited to the study of disability.</td> <td></td> <td></td> <td></td> <td></td> <td>Prerequisites: DST 3020 FOR LEVEL UG WITH MIN. GRADE OF D- DST 2020</td> <td></td> <td></td> <td>SE</td> <td></td> <td>MLS6020,ML S6500</td> <td>24.0103</td> <td>201510</td> <td>201510</td> <td>Yes</td> <td>Fall, Spring</td> <td>approve</td> </tr> <tr> <td>UG</td> <td>LS</td> <td>DST4940</td> <td></td> <td>Internship In Disability Studies</td> <td>[3 credit hours]</td> <td>This course is a service learning model internship with on-campus and/or community agencies addressing disability studies issues. Sites must be approved by the instructor.</td> <td></td> <td></td> <td></td> <td></td> <td>Prerequisites: DST 4890 FOR LEVEL UG WITH MIN. GRADE OF D- DST 2020</td> <td></td> <td></td> <td>SE</td> <td></td> <td></td> <td>24.0103</td> <td>201640</td> <td>201610</td> <td>Yes</td> <td>Summer, Fall, Spring</td> <td>approve</td> </tr> <tr> <td>UG</td> <td>LS</td> <td>DST4990</td> <td></td> <td>Capstone in Disability Studies</td> <td>[3 credit hours]</td> <td>Provides students with an opportunity to engage with professionals and professors in a seminar format for the intensive study of a topic related to Disability Studies. The focus of the seminar will change from year to year.</td> <td></td> <td></td> <td></td> <td></td> <td>Prerequisites: DST 3020 FOR LEVEL UG WITH MIN. GRADE OF D- AND DST 3030 FOR LEVEL UG WITH MIN. GRADE OF D- DST 2020</td> <td></td> <td></td> <td>SE</td> <td></td> <td></td> <td>05.0210</td> <td></td> <td>Pre-Banner or Pre-Banner or Not Off</td> <td>Pre-Banner or Pre-Banner or Not Offer</td> <td>approve</td> </tr> </tbody> </table>																	COURS	COLLE	COURSE	IDE	COURSE_TITLE	CREDIT_HOURS	COURSE_DESCRIPTION	REVIS	UT_CORE	MULTICULTURAL	OTHER_A1	PREREQS	REVISED_PREREQS	COREQS	REVISED_CO_REQS	CATALOG_S	REVISED_HISTORICAL_CIP_CODE_BANNER	LAST_TERM_C	LAST_TERM_WITH_E	TAUGHT_DL_E	OFFERING_PATTERN	INACTIVATE	UG	LS	DST3060		U.S. Disability History	[3 credit hours]	This course provides a historical overview of the lived experiences of people defined as disabled and changing historical definitions of disability in the region that became the United States of America. We will consider how major historical forces such as capitalism, industrialization, colonialism, and democratic ideals have impacted and been shaped by people with disabilities.					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UG	LS	ECON2810	Introduction to Econometrics	[3 credit hours]	Included is the study of hypothesis testing, single and multiple regression, correlation analysis, time series and index numbers, and non-parametric statistics.	Introduction to econometrics with an emphasis on the intuitive understanding and practical applications of the basic tools of regression analysis. Course covers hypothesis testing, single and multiple regression equations, and the problems and possible solutions to data that are associated with multicollinearity, autocorrelation and heteroskedasticity					Prerequisites: MATH 2600 FOR LEVEL UG WITH MIN. GRADE OF D- OR MATH 2630 FOR LEVEL UG WITH MIN. GRADE OF D- OR BUAD 2060 FOR LEVEL UG WITH MIN. GRADE OF D-	Prerequisite es: MATH 2600 FOR LEVEL UG WITH MIN. GRADE OF D- OR MATH 2630 FOR LEVEL UG WITH MIN. GRADE OF D- OR BUAD 2060 FOR LEVEL UG WITH MIN. GRADE OF D-		LE			45.0603	201610	201610	Yes	Fall,Spr	approve																																																																																																											

UG	LS	ECON3270	Natural Resource Economics	[3 credit hours]	Economic analysis of natural resource conservation and use, considering the objectives of efficiency and sustainability. Topics include energy, minerals, marine resources, land and agriculture, outdoor recreation, biodiversity and wildlife management.		Prerequisites: ECON 1200 FOR LEVEL UG WITH MIN. GRADE OF D- Prerequisite es: ECON 1200 FOR LEVEL UG WITH MIN. GRADE OF D- OR ECON3240 FOR LEVEL UG WITH MIN.	LE	03.0201	201510	201510	No	Spring	approve	
UG	LS	ECON3410	World Economic History	[3 credit hours]	Study of economic growth throughout the world, particularly in Europe, Asia, Africa and Latin America. Analysis of economic institutions, technological change, industrialization and living standards.		Prerequisites: ECON 1150 FOR LEVEL UG WITH MIN. GRADE OF D- OR ECON 1200 FOR LEVEL UG WITH MIN. GRADE OF D- OR ECON 1880 FOR LEVEL UG WITH MIN. GRADE OF D- Prerequisite es: ECON 1150 FOR LEVEL UG WITH MIN. GRADE OF D- OR ECON 1200 FOR LEVEL UG WITH MIN. GRADE OF D- OR ECON 1880 FOR LEVEL UG WITH MIN. GRADE OF D-	LE	45.0604	201010	201010	No	Spring	approve	
UG	LS	ECON3500	Comparative Economic Systems	[3 credit hours]	Theory and ideology of market, socialist and mixed economic systems. Case study of the economies of U.S., Russia, China and India.	Multicultu	Prerequisites: ECON 1150 FOR LEVEL UG WITH MIN. GRADE OF D- OR ECON 1200 FOR LEVEL UG WITH MIN. GRADE OF D- OR ECON 1880 FOR LEVEL UG WITH MIN. GRADE OF D- Prerequisite es: ECON 1150 FOR LEVEL UG WITH MIN. GRADE OF D- OR ECON 1200 FOR LEVEL UG WITH MIN. GRADE OF D-	LE	45.0601	201530	201530	Yes	Summer	approve	
UG	LS	ECON3600	Urban Economics	[3 credit hours]	Analysis bearing on intermetropolitan and intrametropolitan growth processes.		Prerequisites: ECON 1150 FOR LEVEL UG WITH MIN. GRADE OF D- OR ECON 1200 FOR LEVEL UG WITH MIN. GRADE OF D- OR ECON 1880 FOR LEVEL UG WITH MIN. GRADE OF D- Prerequisite es: ECON 1150 FOR LEVEL UG WITH MIN. GRADE OF D- OR ECON 1200 FOR LEVEL UG WITH MIN. GRADE OF D-	LE	45.1201	200840	200840	Yes	Fall	approve	
UG	LS	ECON3810	Applied Econometrics	[3 credit hours]	Topics emphasize applications of a wide range of statistical approaches to time-series, cross-sectional, panel, and other types of data. Included are micro-econometric topics such as panel data models, qualitative choice models, hazard models and others. The time series macro-economic topics include model solidarity, cointegration, error correction mechanisms, ARCH and GARCH models, economic forecasting, and others.		Prerequisites: ECON 2810 FOR LEVEL UG WITH MIN. GRADE OF D- Prerequisite es: ECON 2810 FOR LEVEL UG WITH MIN. GRADE OF D- OR CONSENT OF INSTRUCT OR	LE	45.0602	201510	201510	No	Spring	approve	
UG	LS	ECON4050	Population Economics	[3 credit hours]	Interaction of economic changes and demographic variables; topics include birth rates, women's employment, marriage and divorce, aging and mortality, migration and overpopulation.		Prerequisites: ECON 1150 FOR LEVEL UG WITH MIN. GRADE OF D- OR ECON 1200 FOR LEVEL UG WITH MIN. GRADE OF D- OR ECON 1880 FOR LEVEL UG WITH MIN. GRADE OF D- Prerequisite es: ECON 1150 FOR LEVEL UG WITH MIN. GRADE OF D- OR ECON 1200 FOR LEVEL UG WITH MIN. GRADE OF D-	LE	ECON5050	45.0501	201610	201610	No	Spring	approve

UG	LS	ECON4120	Monetary Theory	[3 credit hours]	Modern theories of financial markets, money and the theory of interest rates, money's role in general equilibrium and growth models and money's ability to cause inflation.		Prerequisites: ECON 2120 FOR LEVEL UG WITH MIN. GRADE OF D- OR ECON 3120 FOR LEVEL UG WITH MIN. GRADE OF D- OR ECON 3150 FOR LEVEL UG WITH MIN. GRADE OF D-	Prerequisite es: ECON 3150 FOR LEVEL UG WITH MIN. GRADE OF D-	LE	ECON5120	52.0601	201610	201610	No	Spring	approve
UG	LS	ECON4130	Monetary And Fiscal Policy	[3 credit hours]	Changes in the quantity of money and alternative government spending, taxation and debt policies, interrelations of fiscal and monetary policies in stabilization programs.		Prerequisites: ECON 3150 FOR LEVEL UG WITH MIN. GRADE OF D- OR ECON 4120 FOR LEVEL UG WITH MIN. GRADE OF D-	Prerequisite es: ECON 3150 FOR LEVEL UG WITH MIN. GRADE OF D-	LE	ECON5130	45.0699	201510	201510	No	Spring	approve
UG	LS	ECON4230	Poverty And Income Distribution	[3 credit hours]	Causes and consequences of current trends in poverty and income distribution in the U.S.; analysis of policies dealing with problems in these areas.		Prerequisites: ECON 1150 FOR LEVEL UG WITH MIN. GRADE OF D- OR ECON 1200 FOR LEVEL UG WITH MIN. GRADE OF D- OR ECON 1880 FOR LEVEL UG WITH MIN. GRADE OF D-	Prerequisite es: ECON 1150 FOR LEVEL UG WITH MIN. GRADE OF D- OR ECON 1200 FOR LEVEL UG WITH MIN. GRADE OF D-	LE	ECON5230	45.0601	201040	201040	Yes	Fall	approve
UG	LS	ECON4250	Labor Economics	[3 credit hours]	Labor force characteristics, wage determination, hours and condition of work, unemployment, labor union structure and growth, collective bargaining and modern labor legislation.	The labor market is studied. Topics include labor force characteristics, wage determination, hours and condition of work, human capital models, unemployment, labor union structure and growth, and modern labor legislation.	Prerequisites: ECON 1200 FOR LEVEL UG WITH MIN. GRADE OF D- OR ECON 1880 FOR LEVEL UG WITH MIN. GRADE OF D-	Prerequisite es: ECON 1200 FOR LEVEL UG WITH MIN. GRADE OF D-	LE	ECON5250	52.1004	201510	201510	No	Spring	approve
UG	LS	ECON4300	Mathematical Economics	[3 credit hours]	Development and applications of the mathematical tools used by economists. Differential and integral calculus, linear algebra, transcendental functions and series.		Prerequisites: ECON 1150 FOR LEVEL UG WITH MIN. GRADE OF D- OR ECON 1200 FOR LEVEL UG WITH MIN. GRADE OF D- OR ECON 1880 FOR LEVEL UG WITH MIN. GRADE OF D-	Prerequisite es: ECON 1150 FOR LEVEL UG WITH MIN. GRADE OF D-	LE	ECON5300	45.0603	201640	201540	Yes	Fall	approve
UG	LS	ECON4410	American Economic History	[3 credit hours]	Exploration of economic growth in America from pre-Columbian times to the present day. Analysis of economic institutions, technological change, industrialization and standards of living.		Prerequisites: ECON 1150 FOR LEVEL UG WITH MIN. GRADE OF D- OR ECON 1200 FOR LEVEL UG WITH MIN. GRADE OF D- OR ECON 1880 FOR LEVEL UG WITH MIN. GRADE OF D-	Prerequisite es: ECON 1150 FOR LEVEL UG WITH MIN. GRADE OF D-	LE	ECON5410	45.0604	200910	200910	No	Spring	approve
UG	LS	ECON4510	International Economics I	[3 credit hours]	Theory of international trade; commercial policy; costs and benefits, economic integration; trade and economic growth and balance of payments problems.		Prerequisites: ECON 1150 FOR LEVEL UG WITH MIN. GRADE OF D- OR ECON 1880 FOR LEVEL UG WITH MIN. GRADE OF D-	Prerequisite es: ECON 1150 FOR LEVEL UG WITH MIN. GRADE OF D-	LE	ECON5510	45.0605	201510	201510	No	Spring	approve

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UG	LS	ECON4550	Economic Development	[3 credit hours]	Economic problems and policies in less-developed countries, including such topics as schooling, population growth, urbanization, landholding, income distribution, capital formation and development strategies.					Prerequisites: ECON 1150 FOR LEVEL UG WITH MIN. GRADE OF D- OR ECON 1200 FOR LEVEL UG WITH MIN. GRADE OF D- OR ECON 1880 FOR LEVEL UG WITH MIN. GRADE OF D-			LE	ECON5550	45.0605	201110	201110	No	Spring			approve	
UG	LS	ECON4620	Regional Economics	[3 credit hours]	Examination of regional income estimates and social accounts, regional multipliers, diverse location theories, supplemented with techniques of regional analysis.					Prerequisites: ECON 1200 FOR LEVEL UG WITH MIN. GRADE OF D- OR ECON 1880 FOR LEVEL UG WITH MIN. GRADE OF D-			LE	ECON5620	45.0699		Pre-Banner or Not Offered			approve			
UG	LS	ECON4660	Public Finance Economics	[3 credit hours]	An analysis of the government sector in the economy, government expenditures, taxation and borrowing and their effects on employment, price levels and growth.					Prerequisites: ECON 1200 FOR LEVEL UG WITH MIN. GRADE OF D- OR ECON 1880 FOR LEVEL UG WITH MIN. GRADE OF D-			LE	ECON5660	52.0601	201610	201610	No	Spring			approve	
UG	LS	ECON4750	Health Economics	[3 credit hours]	Economic analysis of health and health services. Topics currently include medical and allied manpower, hospitals, drugs and cost-benefit analysis of selected health programs.					Prerequisites: ECON 1200 FOR LEVEL UG WITH MIN. GRADE OF D- OR ECON 1880 FOR LEVEL UG WITH MIN. GRADE OF D-			LE	ECON5750	51.2201	201410	201410	No	Spring			approve	
UG	LS	ECON4810	Econometrics Models And Methods I	[3 credit hours]	An introduction to econometric methods and their use in quantitative analysis of economic theories. Diagnostics for problems typically encountered are detailed along with techniques for correcting these problems.					Prerequisites: ECON 1880 FOR LEVEL UG WITH MIN. GRADE OF D- OR (ECON 1150 FOR LEVEL UG WITH MIN. GRADE OF D- AND ECON 1200 FOR LEVEL UG WITH MIN. GRADE OF D- AND MATH 2630 FOR LEVEL UG WITH MIN. GRADE OF D-) OR (ECON 1150 FOR LEVEL UG WITH MIN. GRADE OF D- AND ECON 1200 FOR LEVEL UG WITH MIN. GRADE OF D- AND ECON 2640 FOR LEVEL UG WITH MIN. GRADE OF D-)			LE	ECON5810	45.0603	201640	201540	Yes	Fall			approve	
UG	LS	ENGL1130	College Composition II: Academic Disciplines And Discourse	[3 credit hours]	Reading and analyzing the documents from multiple disciplines to synthesize results from different perspectives and produce disciplinarily appropriate writing. Web enhanced. Critical reading, research papers required.	Reading and analyzing documents from specific disciplines to synthesize results from multiple perspectives and produce disciplinarily appropriate writing from your research. A significant focus on academic argument and advanced research writing skills included. Discipline-specific sections offered. Web enhanced. Critical reading, research papers required.	Core English Composition	Trans Mod English C		Prerequisites: ENGL 1110 FOR LEVEL UG WITH MIN. GRADE OF D- OR HON 1010 FOR LEVEL UG WITH MIN. GRADE OF D- OR ENGL 1100 FOR LEVEL UG WITH MIN. GRADE OF D- OR ENLG FOR MIN. SCORE OF 1130			LE	ENGL1130	23.1302	201640	201610	Yes	Summer			approve	

UG	LS	ENGL2010	Advanced Composition	[3 credit hours]	Instruction and practice in writing expository and persuasive prose for a variety of audiences with particular attention to the effect of content and style upon readers.	Instruction and practice in writing expository and persuasive prose for a variety of audiences with particular attention to the effect of content and style upon readers. Introduction to advanced methods for critical thinking, argumentation, and research writing. Writing for discipline-specific and/or public audiences encouraged.		Prerequisites: ENGL 1130 FOR LEVEL UG WITH MIN. GRADE OF D- OR ENGL 1140 FOR LEVEL UG WITH MIN. GRADE OF D- OR ENGL 2950 FOR LEVEL UG WITH MIN. GRADE OF D- OR ENGL 2960 FOR LEVEL UG WITH MIN. GRADE OF D- OR HON 1010 FOR LEVEL UG WITH MIN. GRADE OF D- OR HON 1020 FOR LEVEL UG WITH MIN. GRADE OF D- OR ENGL 1180 FOR LEVEL UG WITH MIN. GRADE OF D- OR ENGL 1170 FOR LEVEL UG WITH MIN. GRADE OF D- OR ENGL 1180 FOR LEVEL UG WITH MIN. GRADE OF D- OR ENGL 1190 FOR LEVEL UG	LE	23.0101	201640	201540	No		Fall,Spr	
UG	LS	ENGL2950	Science And Technical Report Writing	[3 credit hours]	Instruction and practice in writing informational and analytical reports to varied audiences in medical, scientific or technical fields.	Instruction and practice in multiple forms of technical and scientific communication for varied scientific and technical audiences. Emphasis on writing informational and analytical reports and documents in medical, scientific or technical fields. Additional focus on writing for multiple audiences and in different mediums, including online mediums.	Core English Composition	Trans Mod English C Prerequisites: ENGL 1100 FOR LEVEL UG WITH MIN. GRADE OF D- OR ENGL 1110 FOR LEVEL UG WITH MIN. GRADE OF D- OR HON 1010 FOR LEVEL UG WITH MIN. GRADE OF D-	LE	ENGL2950	23.1303	201640	201610	Yes	Summer	approve
UG	LS	ENGL2960	Professional and Business Writing	[3 credit hours]	Catalog Description: Instruction and practice in multiple forms of professional and business writing within an organizational context. Emphasis on the analytical report based on research. Prerequisite: 1110 English core course.	Instruction and practice in multiple forms of professional and business writing within an organizational context. Emphasis on the analytical report based on research. Additional focus on writing for multiple audiences and in different mediums, including online mediums.	Core English Composition	Trans Mod English C Prerequisites: ENGL 1110 FOR LEVEL UG WITH MIN. GRADE OF D-	LE		23.1303	201640	201610	Yes	Summer	approve
UG	LS	ENGL3020	Readings for Writers	[3 credit hours]	Through the analysis of a diverse range of literary genres, this course will teach writers how to develop their own material by studying as models the formal strategies of other writers, including but not limited to language, structure, narrator or speaker, character, dialogue, plot, tone, and the many other elements of literature.	Through the analysis of a diverse range of literary genres, this course will teach writers how to develop their own material by studying as models the formal strategies of other writers, including but not limited to language, structure, narrator or speaker, character, dialogue, plot, tone, and the many other elements of literature. This course will also offer a unit on professionalization.			LE		23.1303	201640	201540	No	Fall,Spr	approve
UG	LS	ENGL3250	The Detective Story	[3 credit hours]	A survey of the genre, giving special attention to differences in the British and American versions of the genre. Includes Poe, Doyle, Christie, Sayers, Hammett and Chandler. Recommended: ENGL 2700, 2710, or 2800.	A selective study of the genre from its beginning in the 19th century to the present, with attention to the variety of sub-genres and styles.			LE		23.0101	201040	201040	No	Summer	approve
UG	LS	ENGL3260	Contemporary Fiction	[3 credit hours]	A study, primarily for non-majors, of recent trends in American, British and Continental fiction. Recommended: ENGL 2710, 2800, or 3790.	A study of recent trends in American, British, and World fiction.			LE		23.0101	201210	201210	No	Fall,Spr	approve
UG	LS	ENGL3600	American Literary Traditions	[3 credit hours]	A study, primarily for non-majors, of selected American literary works such as "The Scarlet Letter," "Walden," "Leaves of Grass," "The American," "The Great Gatsby" and "The Bear." Recommended: ENGL 2710 or 2800.	Introduction to literary history, and the terminology and techniques of the historical study of American literature, intended as preparation for the English major. Texts may include works from the colonial period to the 21st-century.			LE							approve
UG	LS	ENGL3610	British Literary Traditions	[3 credit hours]	Introduction to literary history, and the terminology and techniques of the historical study of British literature, intended as preparation for the English major. Texts may include works from the Medieval period to the 21st-century.			Prerequisites: ENGL 1130 FOR LEVEL UG WITH MIN. GRADE OF D- OR ENGL 1140 FOR LEVEL UG WITH MIN. GRADE OF D- OR ENGL 1150 FOR LEVEL UG WITH MIN. GRADE OF D-	LE		23.1404	201610	201610	No	Summer	approve

UG	LS	ENGL4090	Current Writing Theory	{3 credit hours}	A study of current theory and research connecting reading, critical thinking and writing with applications of theory to students' writing practice.	A study of current theory and research connecting reading, critical thinking, and writing with applications of theory to students' writing practice.	Writing Across the C	Prerequisites: ENGL 1130 FOR LEVEL UG WITH MIN. GRADE OF D- OR ENGL 1140 FOR LEVEL UG WITH MIN. GRADE OF D- OR ENGL 1150 FOR LEVEL UG WITH MIN. GRADE OF D- OR ENGL 2950 FOR LEVEL UG WITH MIN. GRADE OF D- OR ENGL 2960 FOR LEVEL UG WITH MIN. GRADE OF D- OR HON 1010 FOR LEVEL UG WITH MIN. GRADE OF D- OR HON 1020 FOR LEVEL UG WITH MIN. GRADE OF D- OR ENGL 1180 FOR LEVEL UG WITH MIN. GRADE OF D- OR ENGL 1170 FOR LEVEL UG WITH MIN. GRADE OF D- OR ENGL 1190 FOR LEVEL UG WITH MIN. GRADE OF D- OR ENGL 1210 FOR LEVEL UG	LE	ENGL5090	23.1404	201640	201610	Yes	Summer	
UG	LS	ENGL4100	The History Of English	{3 credit hours}	Description of the changes that have taken place in the English language from the earliest days to the present.	Study of the changes that have taken place in the English language from the earliest days to the present.		Prerequisites: ENGL 3150 FOR LEVEL UG WITH MIN. GRADE OF D- OR LING 3150 FOR LEVEL UG WITH MIN. GRADE OF D-	LE	ENGL5100,ENGL7100, 16.0102	201610	201410	No	Summer	approve	
UG	LS	ENGL4170	Applied Linguistics Research And Theory II	{3 credit hours}	Focuses on theories of second/foreign language acquisition, especially, but not exclusively, as they relate to English as a Second Language.	Study of theories of second/foreign language acquisition, especially, but not exclusively, as they relate to English as a Second Language.		Prerequisites: ENGL 4150 FOR LEVEL UG WITH MIN. GRADE OF D- OR LING 4150 FOR LEVEL UG WITH MIN. GRADE OF D-	LE	ENGL6170,LING4170, 16.0102	201510	200840	No	Fall,Spr	approve	
UG	LS	ENGL4200	British Fiction: 18th Century	{3 credit hours}	The development and achievement of British fiction in the 18th Century, including Defoe, Richardson, Fielding, Smollett and Sterne. Recommended: ENGL 2710, 2800, or 3790.	The development of British fiction in the 18th Century. Recommended: ENGL 3610 or 3790.			LE	ENGL5200	23.1404	201040	201040	No	Fall	approve
UG	LS	ENGL4280	American Fiction: 20th Century	{3 credit hours}	Major developments in content and form of the 20th-century American short story and novel. Writers studied include Hemingway, Faulkner, Fitzgerald and Steinbeck. Recommended: ENGL 2710, 2800 or 3790.	Major developments in the 20th-century American short story and novel. Recommended: ENGL 3600 or 3790.			LE	ENGL5280,LS74900	23.1402	201640	201540	No	Summer	approve
UG	LS	ENGL4310	British Drama 1580 To 1642	{3 credit hours}	A study of the drama in England to the closing of the theaters, excluding Shakespeare but including Marlowe, Jonson and Webster. Recommended: ENGL 2710, 2800, or 3790.	A study of drama in England from the opening of the first public theaters to their closing in 1642. May include plays produced for public performance and other dramatic works. Emphasis will be on playwrights other than Shakespeare. Recommended: ENGL 3610, 3790, or 3810			LE	ENGL5340	23.0101	200910	200910	No	Spring	approve
UG	LS	ENGL4340	Modern Drama	{3 credit hours}	A study of Western Drama from the 1870's to the 1930's. Special emphasis on Ibsen, Strindberg, Chekhov, Brecht, O'Neill, Beckett, Pinter and Shepard. Recommended: ENGL 2710, 2720, 2800, or 3790.	Drama in English or translation from the 1870s to the 1930s.			LE	ENGL5410	23.1404	201640	201540	No	Fall,Spr	approve
UG	LS	ENGL4400	British Literature: The Medieval Period	{3 credit hours}	The study of British literature before 1500, often in translation. Topics vary and may include Anglo-Saxon, Norse, and Celtic literature; Norman, English, and Scots literature; or specific themes or genres. Recommended: ENGL 2800 or 3790.	The study of British literature before 1500, often in translation. Topics vary between early medieval texts and culture (8th to 11th centuries), late medieval texts and culture (12th to 15th centuries, excluding Chaucer), and specific themes or genres across sub-periods. Check departmental course descriptions for the specific topic in a given semester. May be repeated for credit if topics are different. Recommended: ENGL 3610, 3810, or 3790.			LE	ENGL5420	23.1404	201610	201610	No	Fall,Spr	approve
UG	LS	ENGL4420	British Literature: Renaissance	{3 credit hours}	Poetry and prose of the English Renaissance. Authors may include Spenser, Sidney, Shakespeare (nondramatic works), More, Raleigh, Queen Elizabeth I and others. Recommended: ENGL 2730, 2800, or 3790.	Poetry and prose of the 16th century, with emphasis on the Elizabethan period. Recommended: ENGL 3610, 3790, or 3810.			LE	ENGL5440	23.1404	201440	201440	No	Fall,Spr	approve
UG	LS	ENGL4440	Early 17th Century English Literature	{3 credit hours}	Poetry and prose from 1603 to 1660 and beyond, including such authors as Milton, Donne, Jonson, Herrick, Herbert, Bacon, Cary, Lanyer, Marvell and others. Recommended: ENGL 2730, 2800, or 3790.	Poetry and prose from 1603 to 1660. Recommended: ENGL 3610, 3790, or 3810.			LE	ENGL5460	23.1404	201510	201510	No	Spring	approve
UG	LS	ENGL4460	British Literature: Restoration And 18th Century	{3 credit hours}	Drama, poetry, and essays of the Restoration, neo-classical and pre-Romantic periods. Recommended: ENGL 2730, 2800, or 3790.	Drama, poetry, and prose of the Restoration, neo-classical and pre-Romantic periods. Recommended: ENGL 3610, 3790, or 3810.			LE	ENGL5500	23.1404	201540	201540	No	Fall,Spr	approve
UG	LS	ENGL4500	British Literature: The Romantic Period	{3 credit hours}	Study of major authors and genres of the Romantic period: approximately 1789 to 1837.	Study of major authors, genres, and ideas of the Romantic period: approximately 1789 to 1837.			LE	ENGL5520	23.1404	201440	201440	No	Fall,Spr	approve
UG	LS	ENGL4520	British Literature: The Victorian Period	{3 credit hours}	Study of major authors, genres and ideas of the Victorian period: approximately 1837 to 1901.	Study of major authors, genres, and ideas of the Victorian period: approximately 1837 to 1901.			LE					No	Fall,Spr	approve

UG	LS	ENGL4540	British Literature: The 20th Century	[3 credit hours]	Twentieth century British poetry and criticism with particular attention to the works of Hardy, Woolf, Yeats, Lawrence, Auden and Thomas. Recommended: ENGL 2730, 2800, or 3790.	Study of major authors, genres, and ideas of 20th-century British literature.	LE	ENGL5540,LST4900	23.1404	201210	201210	No	Fall,Spr		
UG	LS	ENGL4560	Literature of the British Empire 1850 to the Present	[3 credit hours]	Studies in texts from Britain and its former colonies. Genres may include the novel, travel writing, memoir, and film. Recommended ENGL 2800 or 3790.	Studies in texts from Britain and its former colonies. Genres may include the novel, travel writing, memoir, and film.	LE	ENGL5560,LST4980	23.1404	201640	201610	No	Fall,Spr	approve	
UG	LS	ENGL4600	Early American Literature	[3 credit hours]	The poetry and theology of the New England Puritans, especially Bradstreet and Taylor, the literature of the American Enlightenment, the beginnings of American Romanticism in Bryant and Cooper. Recommended: ENGL 2800, or 3790.	The poetry and theology of the New England Puritans, especially Bradstreet and Taylor, the literature of the American Enlightenment, the beginnings of American Romanticism in Bryant and Cooper. Recommended: ENGL 3600 or 3790.	LE	ENGL5600	23.1402	201440	201440	No	Fall,Spr	approve	
UG	LS	ENGL4620	American Romanticism	[3 credit hours]	This course focuses on the literature of the United States from the early nineteenth century through about 1865, with concentration on the literary production between 1840 and 1865. Recommended: ENGL 2800, or 3790.	Literature of the United States from the early nineteenth century through about 1865, with concentration on the literary production between 1840 and 1865. Recommended: ENGL 3600 or 3790.	LE	ENGL5620	23.1402	201410	201410	No	Fall,Spr	approve	
UG	LS	ENGL4630	American Literary Realism	[3 credit hours]	American literature from the post-Civil War period to the early 20th Century, particularly the fiction of Twain, James, Howells and Stephen Crane; some attention to humor, "naturalism" (in Kate Chopin or Dreiser) and poetry. Recommended: ENGL 2710, 2800 or 3790.	American literature from the post-Civil War period to the early 20th Century. Recommended: ENGL 3600 or 3790.	LE	ENGL5630	23.1402	201540	201540	No	Fall,Spr	approve	
UG	LS	ENGL4640	Early 20th Century American Poetry	[3 credit hours]	Significant developments in American poetry 1900-50 from the perspective of other literary and intellectual movements; includes, among others, such major writers as Frost, Pound, Eliot, Stevens, H. Crane and Williams. Recommended: ENGL 2730, 2800, or 3790.	Study of American poetry from 1900 to 1950. Recommended: ENGL 3600 or 3790.	LE	ENGL5640	23.1402	201340	201340	No	Fall	approve	
UG	LS	ENGL4650	African American Literature Before The 20th Century	[3 credit hours]	A survey of African-American prose, poetry, drama and fiction from 1760 to 1915. Recommended: ENGL 2800, or 3790.	A course focused on pre-20th-century African-American poetry, fiction, nonfiction, and drama.	Multicultu	LE	AFST4650,ENGL5650, LST4900,LST4980	23.1402	201540	201540	No	Fall	approve
UG	LS	ENGL4660	African American Literature in The 20th and 21st Centuries	[3 credit hours]	Study of the literary achievement of major African-American writers beginning with Dubois and ending with Gwendolyn Brooks and Ed Bullins. Recommended: ENGL 2800, or 3790.	A course focused on 20th- and 21st-century African-American poetry, fiction, nonfiction, and drama.	Multicultu	LE	AFST4660,ENGL5660, LST4980,WGST4700	23.1402	201640	201610	Yes	Summer	approve
UG	LS	ENGL4680	American Literature Since World War II	[3 credit hours]	The postwar literary sensibility in poetry and fiction; the influence of existentialism and naturalism; includes such writers as Albee, Bartheleme, Bellow, Lowell, Plath and Updike. Recommended: ENGL 2800, or 3790.	An exploration of American literature from 1945 to the present day with a focus on both poetry and fiction, and possibly drama and other literary forms. Recommended: ENGL 3600 or 3790.	LE	ENGL5680	23.1402	201610	201610	No	Fall,Spr	approve	
UG	LS	ENGL4690	Native American Literature And Culture	[3 credit hours]	Native American literature interrogates a selection of texts by and about Native Americans, including the oral traditions of storytelling and mythology.	Study of texts by and about Native Americans, including the oral traditions of storytelling and mythology.	Multicultu	LE	ENGL5690,LST4980	23.1402	201610	201610	No	Fall,Spr	approve
UG	LS	ENGL4730	World Cinemas And Cultures	[3 credit hours]	World Cinema focuses on the question of representation across cultures in terms of the relations between film, its subjects and the camera.	Study of cinematic representations across cultures and the relations between film, its subjects and the camera.	Multicultu	LE	ENGL5730	50.0505	201140	201140	No	Fall,Spr	approve
UG	LS	ENGL4800	Chaucer	[3 credit hours]	A study of Chaucer's major works and historical contexts, with emphasis on Troilus and Criseyde and the dream visions or on The Canterbury Tales in their entirety. Recommended: ENGL 2730, 2800, or 3790.	A study of Geoffrey Chaucer's major works and cultural, literary, and critical contexts. All works will be read in Chaucer's original Middle English. Course has two variations: one focusing on The Canterbury Tales and another on the dream visions and Troilus and Criseyde. Consult Time Schedules or departmental course descriptions for the specific topic. May be repeated for credit with different topic. Recommended: ENGL 3610, 3790 or 3810.	LE	ENGL5800	23.1404	201440	201440	No	Fall,Spr	approve	
UG	LS	ENGL4810	Shakespeare II	[3 credit hours]	A study of Shakespeare's plays with emphasis on his development as a dramatist. Recommended: ENGL 3810.	Advanced study of Shakespeare's plays, particularly his later plays. Recommended: ENGL 3810.	LE	ENGL5810,THR4900	23.1404	201240	201240	No	Fall	approve	
UG	LS	ENGL4820	Milton	[3 credit hours]	A study of the poetry and selected prose of Milton. Recommended: ENGL 2730, 2800, or 3790.	A study of the poetry and selected prose of John Milton. Recommended: ENGL 3610, 3810, or 3790.	LE	ENGL5820	23.1404	201540	201540	No	Fall,Spr	approve	

UG	LS	ENGL4850	Studies In The Work Of A British Author	{3 credit hours}	Author changes with each offering. Consult Time Schedules for authors to be studied. Recommended: ENGL 2800, 3790.	Author changes with each offering. Consult Time Schedules for authors to be studied. Can be repeated for credit if topic is different. Recommended: ENGL 3610, 3810, or 3790.												LE	ENGL5850,WGST4700	23.1404	201510	201510	No	Summer	
UG	LS	ENGL4860	Studies In The Work Of An American Author	{3 credit hours}	Author changes with each offering. Consult Time Schedules for authors to be studied. Recommended: ENGL 2800, or 3790.	Author changes with each offering. Consult Time Schedules for authors to be studied. Can be repeated for credit if topic is different. Recommended: ENGL 3600, 3810, or 3790.												LE	AFST4980,ENGL5860, LST4980,WGST4700, WGST4770	23.1402	201640	201610	No	Summer	approve
UG	LS	ENGL4900	English Honors Seminar	{2 credit hours}	The Honors Seminar is taken in conjunction with the Honors Thesis (English 4960). Required of all candidates for departmental honors.	The Honors Seminar is taken in conjunction with the Honors Thesis (English 4960). Required of all candidates for departmental Honors.												LE		23.0101	201640	201540	No	Fall,Spr	approve
UG	LS	ENGL4950	Special Topics For Writers	{3 credit hours}	An advanced course in genre writing. Content varies with each offering. May be repeated once for credit.		Offered with Multiple Prerequisites: ENGL 1130 FOR LEVEL UG WITH MIN. GRADE OF D- OR ENGL 1140 FOR LEVEL UG WITH MIN. GRADE OF D- OR ENGL 1150 FOR LEVEL UG WITH MIN. GRADE OF D- OR ENGL 1170 FOR LEVEL UG WITH MIN. GRADE OF D- OR ENGL 1190 FOR LEVEL UG WITH MIN. GRADE OF D- OR ENGL 1210 FOR LEVEL UG	Remove all prerequisites.										LE	ARTH4980,ENGL5980 ,THR3210	23.0101	201540	201540	No	Fall,Spr	approve

UG	LS	ENGL4980	Special Topics In Literature	{3 credit hours}	An undergraduate course on a special topic. Consult Time Schedules for topic to be studied and semester offered. Recommended: ENGL 2800, or 3790.	An undergraduate course on a special topic. Consult Time Schedules for topic to be studied and semester offered.	Offered with Multiple											LE	ENGL5430,ENGL5980, ENGL7980,LING4980, LING5430,LING5980,L ING7980,REL4610	23.0101	201510	201310	No	Summer	approve
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COURS	COLLE	COURSE_IDE	COURSE_TITLE	CREDIT_HOURS	COURSE_DESCRIPTION	REVISED_COURSE_DESCRIPTION	UT_CORE	MULTICUL	OTHER_ATTRIBUTE	PREREQS	REVISED_PI	COREQS	REVISED_CC	CATALOG	REVISED_LE	HISTORICAL_CROSS_L	CIP_CODE_BA	LAST_TERM_OFFERED	LAST_TERM_V	TAUGHT_DL	BLENDED	OFFER	INACTIVATE		
UG	LS	HIST2170	Great Britain To 1714	{3 credit hours}	An introductory course on British history from the Roman conquest to 1714. Emphasis on Anglo-Saxon and Norman invasions, the rise of Parliament, common law, and Puritan Revolution. Europe from the First Crusade to the late 13th century.	"An introductory course on English history from the Roman conquest to 1714. Emphasis on the Norman conquest, social and political life in medieval England, the monarch, and common law." "Europe from the First Crusade to the late fifteenth century."												LE		54.0103	201630	201530	Yes	Summer	approve
UG	LS	HIST3110	European Middle Ages II	{3 credit hours}														LE		54.0103	201610	201610	No	Fall,Spr	approve
UG	LS	HIST3200	Colonial Latin America	{3 credit hours}	Latin American history to 1825. Covers pre-Columbian Indian civilizations; Spanish and Portuguese conquests, colonial policies and institutions; colonial life and independence movements.	Latin American history to 1825. Covers pre-Columbian Indian civilizations including Aztecs and Incas; Spanish and Portuguese conquests and Africans in the Americas; colonial policies and institutions; colonial society and independence movements.		Multicultu										LE		05.0107	201310	201310	No	Summer	approve
UG	LS	HIST3210	Modern Latin America	{3 credit hours}	Major economic, political and social developments from independence to the present. In spite of the region's tremendous diversity, there is a shared "Latin American" experience.	Major economic, political and social developments from independence to the present. Covers the export boom, neocolonialism, nationalism, and revolutions in Latin America. Considers how, in spite of the region's tremendous diversity, there is a shared "Latin American" experience.		Multicultu										LE		05.0107	201440	201230	Yes	Summer	approve
UG	LS	HIST3270	The City In American History, 1607-1850	{3 credit hours}	Urbanization and the city in world history. The growth, planning and problems of American cities from colonial times until the mid-19th century.	Examination of early American urban development and culture. Topics include the development of urban infrastructure, crime and disorder; moral reform; religious revival; immigration; prostitution; the development of commercial entertainment.												LE		54.0102	201510	201510	No	Spring	approve
UG	LS	HIST3380	Business And American Society	{3 credit hours}	The growth of American business enterprise and its relationship to culture, politics, technological developments and economic change.	The growth of American business from the eighteenth century to the present. Examines enterprise and its relationship to culture, politics, technological developments and economic change.												LE		54.0102	201640	201610	Yes	Fall,Spr	approve
UG	LS	HIST4030	Europe In The 14th-15th Centuries	{3 credit hours}	The waning of the Middle Ages and the development of the Renaissance in Western Europe with emphasis on Italy. Selected topics of modern English society and economy will be covered, such as urbanization, family and gender relations, enclosures, work and crafts.	"The late Middle Ages and the development of the Renaissance in Western Europe."												LE	HIST5030	54.0103	201210	201210	No	Spring	approve
UG	LS	HIST4180	Topics In English Social And Economic History	{3 credit hours}		"Selected topics on English society and economy will be covered, such as urbanization, family and gender relations, enclosures, work and crafts." Colonial America from early settlement to the eve of the American Revolution. Examination of the American Colonies from an Atlantic perspective, focusing on European motivation for settlement, European-Native American relations, the origins and development of slavery, religious and economic change, and the creation of early American culture.												LE		54.0103	201010	201010	No	Spring	approve
UG	LS	HIST4200	Colonial Foundations Of U.S.	{3 credit hours}	This course analyzes the colonial experience of the United States prior to 1763. It stresses the various cultures and social groups in America and how they related with one another.													LE	HIST5200	54.0102	201640	201540	No	Fall,Spr	approve

UG	LS	HIST4210	Women In Early America	[3 credit hours]	A survey of the history of women in America up to 1860. Special focus on the divergent experiences of Native American, European American and African American women, including the forced and voluntary migrations of women to and across North America.	Examination of the evolution of women's experience in the United States from colonization to the Civil War era	Multicultu		LE	HIST5980,HIST8990, WGST4980	54.0101	201540	201440	No	Summe	approve
UG	LS	HIST4220	The American Revolution	[3 credit hours]	The background and progress of the War for Independence.	Examination of the decades surrounding the American Revolution and America's transformation from British colony to independent republic. Political and social origins of the Revolution; formation of the republican state; changing notions of citizenship and equality; the role of political leaders in society; social and cultural consequences of the Revolution		LE	HIST5220	54.0102	201340	201340	No	Fall,Spr	approve	
UG	LS	HIST4230	United States Early Republic	[3 credit hours]	American politics and culture from the Federalist period to the Mexican - American War, 1789-1848.	History of the ratification of the United States Constitution; Growth and expansion of federal authority; development of financial and judicial institutions and the first political parties; early American foreign policy; and the creation of American identity and democratic political culture.		LE	HIST5230	54.0102	201310	201310	No	Fall,Spr	approve	
UG	LS	HIST4240	The Age Of Jackson	[3 credit hours]	Jacksonian democracy in politics and as a reform movement; the sectional controversy; the Mexican-American War.	Exploration of the major social, economic and political developments in the United States in the decades leading up to the Civil War. The creation of a market society; religion and reform; westward expansion; slavery and abolition; the origins and development of the second-party system; the politics of slavery		LE	HIST5240	54.0102	201210	201210	No	Spring	approve	
UG	LS	LING3190	Sociolinguistics	[3 credit hours]	Combines linguistic and societal concerns through empirical research; includes issues of language variation and related larger constructs such as speech community, communicative competence, dialect and language change.	Study of linguistic and societal concerns through empirical research; includes issues of language variation and related larger constructs such as speech community, communicative competence, dialect and language change.		LE	LING5190,LING7190	16.0102	201610	201610	No	Fall,Spr		
UG	LS	LING4100	The History Of English	[3 credit hours]	Description of the changes that have taken place in the English language from the earliest days to the present.	Study of the changes that have taken place in the English language from the earliest days to the present.		LE	ENGL4100,ENGL5100, ENGL7100,LING5100, LING7100	16.0102	201610	201610	No	Summe	approve	
UG	LS	LING4110	Old English	[3 credit hours]	A study of phonology, morphology and syntax with representative readings in verse and prose.	Study of phonology, morphology and syntax with representative readings in verse and prose.		LE	ENGL4110,ENGL5110, LING5110	16.0102	201340	201340	No	Fall	approve	
UG	LS	LING4150	Applied Linguistics I	[3 credit hours]	Focus on methods of applied linguistics in the broad sense, including their use in studies of first and second language acquisition, language teaching, the teaching of reading and writing, and other related areas.	Study of methods of applied linguistics in the broad sense, including their use in studies of first and second language acquisition, language teaching, the teaching of reading and writing, and other related areas.		LE	ENGL4150,ENGL6150, LING8150	16.0102	201540	201540	No	Fall	approve	
UG	LS	LING4170	Applied Linguistics II	[3 credit hours]	Focuses on theories of second/foreign language acquisition, especially, but not exclusively, as they relate to English as a Second Language.	Study of theories of second/foreign language acquisition, especially, but not exclusively, as they relate to English as a Second Language.		LE	ENGL4170,ENGL6170, LING6170	16.0102	201510	201510	No	Fall,Spr	approve	
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UG	LS	LST2010	Law And Social Thought	[3 credit hours]	Examines the function and force of law in society in an interdisciplinary context. Course includes texts from philosophy, literature, psychology, sociology, history, anthropology and opinions of the court.	This course examines the function and force of law in society in an interdisciplinary context. Students are given the opportunity to think about law in relationship to society, morality, politics, language, history and power. Readings may include perspectives from philosophy, literature, psychology, sociology, history, anthropology and opinions of the court.	Writing Across the C	LE	PSC2400	38.0101	201640	201610	No	Fall,Spr	approve	
UG	LS	PHIL3240	Existentialism	[3 credit hours]	A study of existential philosophers, including Nietzsche, Kierkegaard, Sartre, Camus, Jaspers, Heidegger and others. Topics may include anxiety, meaning and meaninglessness, freedom, and human sociability.	An examination of existentialist philosophy from the 19th Century to the present as represented in the works of Kierkegaard, Nietzsche, Heidegger, Camus, Sartre, de Beauvoir, Fanon and others. Topics may include anxiety, meaning and meaninglessness, freedom, and community.		LE		38.0101	201610	201610	No	Fall,Spr	approve	
UG	LS	PHIL3400	Ethical Theory	[3 credit hours]	A study of the moral philosophies of Aristotle, Hume, Kant, Mill and their critics, focusing on knowledge and justification, virtue, justice, happiness, conflicts of obligation and ideals of community.	A examination of the assumptions, methods and content of major theories of ethics, with an emphasis on the nature of the good, moral obligations, rights and duties. Questions to be examined include: What is the best life for a human being? What is the foundation of the distinction between right and wrong? What motives do I have for acting morally?		LE		38.0103	201240	201240	No	Fall,Spr	approve	

UG	SM	CHEM1200	Problem Solving in General Chemistry	[1 credit hour]	Problem solving and skill development for students enrolled in CHEM 1230 who obtained a satisfactory score on the chemistry placement test but need additional assistance in selected topics. May be taken only as P/NC.			Prerequisites: CHEM 1090 FOR LEVEL UG WITH MIN. GRADE OF D- OR CHPL FOR MIN. SCORE OF 18 OR ACRT FOR MIN. SCORE OF 055		SE	40.0501	201640	201610	No	Fall,Spring	approve
UG	SM	CHEM1230	General Chemistry I	[4 credit hours]	An introduction to atomic structure, chemical bonding, kinetic-molecular theory, energy relationships and structural concepts. This sequence is for students who major in science, engineering or other fields which require chemistry as a prerequisite subject. Three hours lecture and one hour discussion per week.	Core Natural Science	Trans Mod Natural Science	Prerequisites: CHEM 1090 FOR LEVEL UG WITH MIN. GRADE OF D- OR CHPL FOR MIN. SCORE OF 17 OR ACRT FOR MIN. SCORE OF 055		LE,RE	40.0501	201640	201610	Yes	Summer,Fall,Spring	approve
UG	SM	CHEM1280	General Chemistry Lab I	[1 credit hour]	Experiments over topics covered in CHEM 1230 lectures. Approved chemistry safety goggles meeting the American National Standard 287.1-1968 must be worn by every student during every laboratory class meeting.	Core Natural Science	Trans Mod Natural Science	Prerequisites: CHEM 1230 FOR LEVEL UG WITH MIN. GRADE OF D- (MAY BE TAKEN CONCURRENTLY)		LB	40.0501	201640	201610	Yes	Summer,Fall,Spring	approve
UG	SM	CHEM1290	General Chemistry Lab II	[1 credit hour]	Experiments over topics covered in CHEM 1240 lectures. Approved chemistry safety goggles meeting the American National Standard 287.1-1968 must be worn by every student during every laboratory class meeting.	Core Natural Science	Trans Mod Natural Science	Prerequisites: CHEM 1230 FOR LEVEL UG WITH MIN. GRADE OF D-		LB	40.0501	201640	201610	Yes	Summer,Fall,Spring	approve
UG	SM	CHEM2460	Organic Chemistry Laboratory I	[1 credit hour]	Practice of organic laboratory techniques. Four hours of laboratory per week. Approved chemical safety goggles meeting the American National Standard 287.1-1968 must be worn by every student during every laboratory class meeting.			Prerequisites: (CHEM 1240 FOR LEVEL UG WITH MIN. GRADE OF D- AND CHEM 1290 FOR LEVEL UG WITH MIN. GRADE OF D-)	Corequisite s: CHEM 2410	LB	40.0504	201640	201610	No	Summer,Fall,Spring	approve
UG	SM	CHEM2470	Organic Chemistry Laboratory II	[1 credit hour]	Practice of organic laboratory techniques. Four hours of laboratory per week. Approved chemical safety goggles meeting the American National Standard 287.1-1968 must be worn by every student during every laboratory class meeting.			Prerequisites: CHEM 2460 FOR LEVEL UG WITH MIN. GRADE OF D-	Corequisite : CHEM 2420	LB	40.0504	201640	201610	No	Summer,Fall,Spring	approve
UG	SM	CHEM2480	Organic Separations And Elementary Synthesis	[2 credit hours]	Introduction to theory and laboratory practice in modern methods of physical separation techniques, synthesis and microscale manipulations. Approved chemistry safety goggles meeting the American National Standard 287.1-1968 must be worn by every student during every laboratory class meeting.			Prerequisites: CHEM 1290 FOR LEVEL UG WITH MIN. GRADE OF D-	Prerequisite s: CHEM 1240 for Level UG with Min. Grade of D- and CHEM 1290 for Level UG with Mini. Grade of D-	Corequisite s: CHEM 2410	LB,LE,OT	201640	201540	No	Fall	approve
UG	SM	CHEM2490	Advanced Experiments in Organic Chemistry (Title change approved by NSM Council)	[2 credit hours]	Application of synthetic methods to elementary organic synthesis with special emphasis on instrumental approaches to problem solving in organic chemistry. Approved chemistry safety goggles meeting the American National Standard 287.1-1968 must be worn by every student during every laboratory class meeting.			Prerequisites: (CHEM 2410 FOR LEVEL UG WITH MIN. GRADE OF D- AND CHEM 2480 FOR LEVEL UG WITH MIN. GRADE OF D-)	Corequisite : CHEM 2420	LB,LE	40.0504	201610	201610	No	Spring	approve

UG	SM	CHEM2500	Instrumental Methods For Organic Chemistry	[2 credit hours]	A bridge course for students wishing to major in chemistry at the B.S. level after taking CHEM 2460 or CHEM 2460 and 2470. The application of instrumental methods to organic synthesis. Approved chemical safety goggles meeting the American National Standard Z87.1-1968 must be worn by every student during every laboratory class meeting.	A bridge course for students wishing to major in chemistry or biochemistry at the B.S. level after taking the organic non-major lab sequence. Introduction to major instrumental methods employed in the organic laboratory. Approved chemical safety goggles meeting the American National Standard Z87.1-1968 must be worn by every student during every laboratory class meeting.	Prerequisites: (CHEM 2410 FOR LEVEL UG WITH MIN. GRADE OF D- AND CHEM 2460 FOR LEVEL UG WITH MIN. GRADE OF D-)	Prerequisites: CHEM 2420 for Level UG with Min. Grade of D- and CHEM 2470 for Level UG with Min. grade of D-	LB,LE	40.0504	201640	201610	No	Fall,Spring	approve	
UG	SM	CHEM2910	Undergraduate Research I	[1-3 credit hours]	An introduction to research under the guidance of a faculty member. May be repeated. A maximum accumulated credit of 4 hours in 2910 and total of 10 hours in 2910, 3910, 4910 may be applied toward a degree. May be taken only as P/NC.				IS	40.0501	201640	201610	No	Summer, Fall, Spring	approve	
UG	SM	CHEM3510	Biochemistry I	[3 credit hours]	Chemical structure and molecular transformation in biological systems.	The chemistry of living systems, beginning with the structures and molecular and biological functions of proteins, nucleic acids, carbohydrates and lipids. Other topics include enzyme kinetics and mechanism, biological membranes and membrane transport, and signal transduction.	Prerequisites: CHEM 2420 FOR LEVEL UG WITH MIN. GRADE OF D-		LE	26.0202	201640	201540	No	Fall	approve	
UG	SM	CHEM3520	Biochemistry II	[3 credit hours]	Chemical structure and molecular transformation in biological systems.	Continuing study of the chemistry of living systems. Topics include the metabolism of carbohydrates, lipids and amino acids, energy transductions and photosynthesis, mechanisms and regulation of nucleic acid and protein synthesis.	Prerequisites: CHEM 3510 FOR LEVEL UG WITH MIN. GRADE OF D- Prerequisites: CHEM 3510 FOR LEVEL UG WITH MIN. GRADE OF D-		LE	26.0202	201610	201610	No	Spring	approve	
UG	SM	CHEM3560	Biochemistry Laboratory	[2 credit hours]	Practice of biochemistry laboratory techniques. Four hours of laboratory per week.	Practice of biochemistry laboratory techniques. Six hours of laboratory per week.	Prerequisites: CHEM 2420 FOR LEVEL UG WITH MIN. GRADE OF D-		LB	26.0202	201610	201610	No	Spring	approve	
UG	SM	CHEM3610	Inorganic Chemistry I	[3 credit hours]	The application of modern theories to the elements and their inorganic compounds. Physical chemical principles are used throughout. Prerequisite: CHEM 2420 or CHEE 2230 and 2330	The application of modern theories to the elements and their inorganic compounds. Physical chemical principles are used throughout.	Prerequisites: CHEM 2420 FOR LEVEL UG WITH MIN. GRADE OF D- OR CHEE 2230 FOR LEVEL UG WITH MIN. GRADE OF D- AND CHEE 2330 FOR LEVEL UG WITH MIN. GRADE OF D-		LE	40.0503	201610	201610	No	Fall,Spring	approve	
UG	SM	CHEM3732	Recitation for Chem 3730	[1 credit hour]	Optional recitation section that discusses concepts and solves practice questions for CHEM 3730. Must be taken simultaneously with CHEM 3730, Physical Chemistry I. Not for major/minor credit.	Optional recitation section that discusses concepts and solves practice questions for CHEM 3730. Must be taken simultaneously with CHEM 3730, Physical Chemistry I. Not for major/minor credit.	Prerequisites: CHEM 2420 FOR LEVEL UG WITH MIN. GRADE OF D- AND CHEM 3730 FOR LEVEL UG WITH MIN. GRADE OF D- (MAY BE TAKEN CONCURRENTLY)		RE	40.0506	201640	201540	No	Fall	approve	
UG	SM	CHEM3742	Recitation For Chem 3740	[1 credit hour]	Optional recitation section that discusses concepts and solves practice questions for CHEM 3740. Must be taken simultaneously with CHEM 3740, Physical Chemistry II. Not for major/minor credit.	Optional recitation section that discusses concepts and solves practice questions for CHEM 3740. Must be taken simultaneously with CHEM 3740, Physical Chemistry II. Not for major/minor credit.	Prerequisites: CHEM 3730 FOR LEVEL UG WITH MIN. GRADE OF D- AND CHEM 3740 FOR LEVEL UG WITH MIN. GRADE OF D- (MAY BE TAKEN CONCURRENTLY)		RE	40.0506	201610	201610	No	Spring	approve	
UG	SM	CHEM3810	Chemistry Of Sustainable Energy Resources (Title correction (was all caps in catalog) approved by NSM Council)	[3 credit hours]	Application of the principles of chemistry to understand the issues related to implementing and optimizing a sustainable supply of energy.		Prerequisites: CHEM 1240 FOR LEVEL UG WITH MIN. GRADE OF D- AND CHEM 1290 FOR LEVEL UG WITH MIN. GRADE OF D- AND PHYS 3400 FOR LEVEL UG WITH MIN. GRADE OF D-		LE	CHEM3810	26.0202	201640	201540	No	Fall,Spring	approve

UG	SM	CHEM3860	Advanced Laboratory I	[2 credit hours]	Laboratory experiments and techniques relating to subjects developed in CHEM 3710, 3730, or 4570. Three-hour laboratory and one-hour discussion per week, see your advisor for proper section number. Approved chemical safety goggles meeting the American National Standard 287.1-1968 must be worn by every student during every laboratory class meeting. Prerequisite: CHEM 2420 and 2470 or 2490; Corequisite: CHEM 3710 or 3730 or 4570	Laboratory experiments and techniques relating to subjects developed in CHEM 3710, 3730, or 4570. Three-hour laboratory and one-hour discussion per week. Approved chemical safety goggles meeting the American National Standard 287.1-1968 must be worn by every student during every laboratory class meeting.	Writing Across the Curriculum	Prerequisites: (CHEM 2420 FOR LEVEL UG WITH MIN. GRADE OF D- AND CHEM 2470 FOR LEVEL UG WITH MIN. GRADE OF D-) OR CHEM 2490 FOR LEVEL UG WITH MIN. GRADE OF D-	Corequisite : CHEM 3710 or 3730 or 4570	LB,RE	40.0506	201640	201540	No	Fall	approve		
UG	SM	CHEM3870	Advanced Laboratory II	[2 credit hours]	Laboratory experiments and techniques relating to subjects developed in 3710/3720, 3730/3740. Three hours laboratory and one hour discussion per week. Approved chemical safety goggles meeting the American National Standard 287.1-1968 must be worn by every student during every laboratory class meeting.	Laboratory experiments and techniques relating to subjects developed in 3710/3720, 3730/3740. Six hours of laboratory per week. Approved chemical safety goggles meeting the American National Standard 287.1-1968 must be worn by every student during every laboratory class meeting.		Prerequisites: CHEM 3860 FOR LEVEL UG WITH MIN. GRADE OF D-	Corequisite : CHEM 3740 or 3720	LB	40.0506	201610	201610	No	Spring	approve		
UG	SM	CHEM3910	Undergraduate Research II	[1-3 credit hours]	Research under the guidance of a faculty member. May be repeated. A maximum accumulated credit of 10 hours in CHEM 2910, 3910 and 4910 may be applied toward a degree. A written report is required. May be taken only as P/NC. Prerequisite: GPA (overall and in chemistry courses) above 2.5 and permission of department Corequisite: CHEM 2420	Research under the guidance of a faculty member. May be repeated. A maximum accumulated credit of 10 hours in CHEM 2910, 3910 and 4910 may be applied toward a degree. A written report is required. May be repeated. A maximum accumulated credit of 10 hours in CHEM 2910, 3910 and 4910 may be applied toward a degree. May be taken only as P/NC.		Prerequisites: CHEM 2420 FOR LEVEL UG WITH MIN. GRADE OF D- (MAY BE TAKEN CONCURRENTLY)	CHEM 2420 FOR LEVEL UG WITH MIN. GRADE OF D- (MAY BE TAKEN CONCURR ENTLY) and GPA (overall and in chemistry courses) above 2.5 and permission of departmen t.	IS	40.0501	201640	201610	No	Summe r,Fall,S pring	approve		
UG	SM	CHEM4300	Instrumental Analysis	[2 credit hours]	An introduction to modern chemical instrumentation and applications to chemical analysis. Topics include electrical, magnetic, nuclear and spectroscopic instrumentation. Prerequisite: CHEM 3310 and 3360; Corequisite: CHEM 3710 or 3730 or 4570	An introduction to modern chemical instrumentation and applications to chemical analysis. Topics include electrical, magnetic, nuclear and spectroscopic instrumentation.		Prerequisites: (CHEM 3310 FOR LEVEL UG WITH MIN. GRADE OF D- AND CHEM 3360 FOR LEVEL UG WITH MIN. GRADE OF D-) AND CHEM 3710 FOR LEVEL UG WITH MIN. GRADE OF D- (MAY BE TAKEN CONCURRENTLY) OR CHEM 3730 FOR LEVEL UG WITH MIN. GRADE OF D- (MAY BE TAKEN CONCURRENTLY) OR CHEM 4570 FOR LEVEL UG WITH MIN. GRADE OF D- (MAY BE TAKEN CONCURRENTLY)		LB,LE	40.0502	201640	201540	No	Fall	approve		
UG	SM	CHEM4305	Advanced Analytical Chemistry	[4 credit hours]	An overview of new techniques in analytical chemistry. Topics include sample preparation and sampling, spectroscopic, separation, electrochemical, surface characterization and thermal methods.			Prerequisite es: CHEM 3310 FOR LEVEL UG WITH MIN. GRADE OF C		LE	CHEM6300,CHEM8300	40.0502	201640		Pre-Banner or Not Offered	No	Fall	approve
UG	SM	CHEM4310	Separation Methods	[3 credit hours]	The theory, design and application methods. Topics include extraction techniques, gas, liquid, and supercritical fluid chromatography, affinity and chiral separation, and capillary electrophoresis.	The theory, design and application of separation methods. Topics include extraction techniques, gas, liquid, and supercritical fluid chromatography, affinity and chiral separation, and capillary electrophoresis.		Prerequisit es: CHEM 3310 FOR LEVEL UG WITH MIN. GRADE OF C OR CHEM 4300 FOR LEVEL UG WITH MIN. GRADE OF C		LE	CHEM6310,CHEM8310	40.0502	201510		Pre-Banner or Not Offered	No	Spring	approve

UG	SM	CHEM4320	Electrochemistry	[4 credit hours]	A fundamental study of electrochemical concepts, methods, instrumentation and applications.		Prerequisite es: CHEM 4300 FOR LEVEL UG WITH MIN. GRADE OF C	LE	CHEM6320,CHEM8320	40.0502	201610	201610	No	Spring	approve	
UG	SM	CHEM4330	Spectroscopic Methods And Analysis Of Spectra (Title change approved by NSM Council)	[4 credit hours]	A comprehensive study of theory and instrumentation. Applications of spectroscopic methods including spectral interpretation. Topics include a study of absorption, emission, Raman, NMR, ESR, mass spectrometry, and related subjects.	A comprehensive study of theory and instrumentation. Applications of spectroscopic methods including spectral interpretation. Topics include a study of absorption, emission, Raman, NMR, ESR, mass spectrometry, and related subjects.	Prerequisite es: CHEM 2410 FOR LEVEL UG WITH MIN. GRADE OF C	LE	CHEM6330,CHEM8330	40.0502	201610	Pre-Banner or Not Offered	No	Spring	approve	
UG	SM	CHEM4350	Separation Methods Laboratory	[1 credit hour]	Experiments covering topics discussed in CHEM 4310 lectures. Five hours of laboratory per week. Approved chemical safety goggles meeting the American National Standard 287.1-1968 must be worn by every student during every laboratory class meeting.		Prerequisite es: (CHEM 3310 FOR LEVEL UG WITH MIN. GRADE OF C AND CHEM 3360 FOR LEVEL UG WITH MIN. GRADE OF C) OR (CHEM 4300 FOR LEVEL UG WITH MIN. GRADE OF C AND CHEM 4880 FOR LEVEL UG WITH MIN. GRADE OF C)	CHEM4310	LB	CHEM6350,CHEM8350	40.0502	201510	Pre-Banner or Not Offered	No	Spring	approve
UG	SM	CHEM4400	Advanced Organic Chemistry	[4 credit hours]	Basic heterocyclic synthesis and methodology. Reducing reagents and new carbon-carbon bond forming processes.	This course deals with chemical structure and reactivity correlations applied to the study of organic reaction mechanisms; stereochemical features including conformation and stereoelectronic effects; reaction dynamics, isotope effects and molecular orbital theory applied to pericyclic and photochemical reactions; and special reactive intermediates including carbenes, carbanions, and free radicals.	Prerequisite es: CHEM 2420 FOR LEVEL UG WITH MIN. GRADE OF B	LE	CHEM6400,CHEM8400	40.0502	201640	Pre-Banner or Not Offered	No	Fall	approve	
UG	SM	CHEM4410	Organic Synthesis	[4 credit hours]	Important methodology and strategy in organic synthesis including disconnection and retrosynthetic analysis.		Prerequisite es: CHEM 2420 FOR LEVEL UG WITH MIN. GRADE OF B	LE	CHEM6410,CHEM8410	40.0502	201610	201610	No	Spring	approve	
UG	SM	CHEM4430	Medicinal Chemistry	[4 credit hours]	Qualitative and quantitative aspects of the design of new therapeutic agents are discussed. Approaches to the design of drugs and new therapeutic modalities directed at enzymes, receptors, membrane transport proteins and nucleic acids will be examined.			LE	CHEM6430,CHEM8430,MBC6190,MBC8190	40.0502	201640	201540	No	Fall	approve	
UG	SM	CHEM4500	Advanced Biological Chemistry	[4 credit hours]	The chemistry of cellular and molecular transformation in biochemical systems.	The chemistry of cellular and molecular transformation in biochemical systems.	Prerequisites: CHEM 3520 FOR LEVEL UG WITH MIN. GRADE OF D-	LE	CHEM4500,CHEM6500,CHEM8500,MBC6550,MBC8550	26.0210	201640	201540	No	Fall	approve	
UG	SM	CHEM4510	Protein Chemistry	[4 credit hours]	A detailed analysis of the structure and function of proteins.	A detailed analysis of the structure and function of proteins.	Prerequisites: CHEM 3510 FOR LEVEL UG WITH MIN. GRADE OF D-	LE	CHEM6510,CHEM8510	26.0202	201510	201510	No	Spring	approve	
UG	SM	CHEM4520	Enzymology	[4 credit hours]	The principles of chemical catalysis applied to molecular enzymology.	Survey of current methods to study enzyme-catalyzed reactions, and application to examples from major enzyme groups. Current topics in enzymology include abzymes and ribozymes, artificial enzymes, and enzymes, and enzyme engineering.	Prerequisites: CHEM 3510 FOR LEVEL UG WITH MIN. GRADE OF D-	LE	CHEM6520,CHEM8520	26.0202	201610	201610	No	Spring	approve	
UG	SM	CHEM4530	Nucleic Acid Chemistry	[4 credit hours]	The structure and function of RNA and DNA.	The structural and chemical properties of nucleic acids and the resulting biological consequences. Topics include: 3D structures, conformation, protein/nucleic acid interactions, physical properties and chemical reactions, mutagenesis, damage/repair, and recombination.	Prerequisites: CHEM 3510 FOR LEVEL UG WITH MIN. GRADE OF D-	LE	CHEM6530,CHEM8530	26.0205	201410	201210	No	Spring	approve	

UG	SM	CHEM4580	Bioinorganic Chemistry	[4 credit hours]	This course surveys biologically important metals and metal-ligand complexes, and examines the role of metal ions in proteins, metal ion transport and regulation, and metals in medicine.	Survey of biologically important metals and metal-ligand complexes, and the role of metal ions in proteins, metal ion transport and regulation, and metals in medicine.	Prerequisites: CHEM 3520 FOR LEVEL UG WITH MIN. GRADE OF D-	LE	CHEM6580,CHEM8580	40.0506	201510	Pre-Banner or Not Offered	No	Spring	approve
UG	SM	CHEM4600	Physical Inorganic Chemistry	[4 credit hours]	Symmetry, bonding theories, magnetism, and spectroscopic characterization of inorganic compounds are described. Coverage of spectroscopic techniques such as NMR, EPR, UV/VIS, IR, AND Mossbauer focus on applications to inorganic systems.			LE	CHEM6600,CHEM8600	40.0502	201640	201540	No	Fall	approve
UG	SM	CHEM4610	Organometallic Chemistry of the Transition and Post-Transition Elements (Title change approved by NSM Council)	[4 credit hours]	The inorganic and organometallic chemistry of the transition metals, lanthanides and actinides is described. Synthesis, structure, bonding, and reactivity are considered. Applications in catalysis, bioinorganic, and materials chemistry are discussed.	The organometallic chemistry of the transition metals, lanthanides and actinides is described. Synthesis, structure, bonding, and reactivity are considered. Applications in catalysis, bioinorganic, and materials chemistry are discussed.		LE		40.0502	Pre-Banner or Not Offered	approve			
UG	SM	CHEM4625	Chemistry of the Main Group Elements (Title correction approved by NSM Council)	[4 credit hours]	The inorganic and organometallic chemistry of main group elements is described. Synthesis, structure, bonding, and reactivity are considered. The use of main group reagents in synthesis, catalysis, and materials chemistry are discussed.	The inorganic and organometallic chemistry of main group elements is described. Synthesis, structure, bonding, and reactivity are considered. The use of main group reagents in synthesis, catalysis, and materials chemistry are discussed.		LE		40.0502	Pre-Banner or Not Offered	approve			
UG	SM	CHEM4700	Advanced Physical Chemistry	[4 credit hours]	Chemical systems and processes in the context of classical equilibrium thermodynamics. Introduces non-equilibrium and statistical thermodynamics to elucidate chemical changes and the connection between molecular and macroscopic system properties.	Chemical systems and processes in the context of classical equilibrium thermodynamics. It introduces non-equilibrium and statistical thermodynamics to elucidate chemical changes and the connection between molecular and macroscopic system properties.		LE		40.0502	Pre-Banner or Not Offered	approve			
UG	SM	CHEM4710	Quantum Chemistry and Spectroscopy	[4 credit hours]	Fundamental principles of quantum mechanics and their application to model systems, atoms and molecules; Introduction to molecular spectroscopy.			LE	CHEM6710,CHEM8710	40.0502	201610	Pre-Banner or Not Offered	No	Spring	approve
UG	SM	CHEM4720	Modern Topics in Physical Chemistry	[4 credit hours]	Advanced topics of current interest in physical chemistry. Examples of topics include nanomaterials science, spectroscopic techniques, or molecular modeling.			LE		40.0502	Pre-Banner or Not Offered	approve			

UG	SM	EEES2720	Coral Reef Ecology	[3 credit hours]	An exploration of the coral reef environment and the dynamics of coral reef ecosystems. Various organisms and their interactions in the web of coral reef life are examined to illustrate the food web and specialized habitats within the reef system. Emphasis on the delicate balance of natural reef processes and impacts of natural and human-imparted stressors on reef health. Prerequisite: introductory Marine Biology (EEES 1150) or permission of instructor. PSEOP: (Spring)		Prerequisites: EEES 1150 FOR LEVEL UG WITH MIN. GRADE OF D-	LE	26.1304	201410	Pre-Banner or Not Offered	Yes	Spring	I		
UG	SM	EEES3100	Surficial Processes	[3 credit hours]	Description and study of the earth's surface features from the point of view of their origin, including landforms created by volcanism, tectonics and erosional/depositional processes. Field trip required.	Description and study of the earth's surface features from the point of view of their origin, including landforms created by glaciers, rivers, the wind, along coasts, tectonics and erosional/depositional processes. Field trip required.	Prerequisites: EEES 1010 FOR LEVEL UG WITH MIN. GRADE OF D- OR EEES 2100 FOR LEVEL UG WITH MIN. GRADE OF D-	LE	40.0601	201640	201540	No	Fall,Spring		approve	
UG	SM	EEES3210	Earth Materials I: Mineralogy/Petrology	[3 credit hours]	Mineralogy: Rock-forming mineral characteristics, identification and geologic environments of formation. Igneous and Metamorphic Petrology: Igneous and metamorphic rock characteristics, origins, classification and interpretation of conditions of formation.	Lectures and laboratory exercises introduce common rock-forming minerals and important accessory minerals, their physical and chemical properties, identification and geologic environments of formation. As fundamental components of igneous and metamorphic rocks these minerals will be used to classify igneous and metamorphic rocks. These rock classifications, along with maps and case histories of classic terrains, will be used to understand the origins, conditions of formation and geologic history of igneous and metamorphic rock bodies.	Prerequisites: EEES 2100 FOR LEVEL UG WITH MIN. GRADE OF D-	LB,LE	40.0601	201640	201540	No	Fall,Spring (every 3rd semester)		approve	
UG	SM	EEES3250	Engineering Geology	[3 credit hours]	Application of geologic principles to engineering practices (dams, tunnels, drainage, foundations and water supply). Labs stress rock and mineral identification, quality control tests in engineering design and construction using rock.	An introduction to the application of geologic principles to engineering practices through a series of readings, laboratory exercises and practical problems. First the fundamentals of geology are presented including: plate tectonics and the resulting distributions of geologic materials and phenomena; mineral, rock and soil characterization; geologic structures; and construction and use of geologic maps. The remainder of the course investigates specific geologic processes and applications to engineering practices.	Prerequisites: MATH 1750 FOR LEVEL UG WITH MIN. GRADE OF D- OR MATH 1850 FOR LEVEL UG WITH MIN. GRADE OF D- OR MATH 1920 FOR LEVEL UG WITH MIN. GRADE OF D- OR MATH 2450 FOR LEVEL UG WITH MIN. GRADE OF D-	LB,LE	40.0601	201640	201540	No	Fall		approve	
UG	SM	EEES4150	Evolution	[3 credit hours]	The modern theory of evolution presented within a framework of theoretical genetics and population biology; phylogeny and evolution of the vertebrates.	The modern theory of evolution is presented within a general framework of biological and geological evidence focusing on the fossil record, early biomolecules, protein synthesis, genetics, phylogeny and vertebrate evolution.	Prerequisites: (EEES 2150 FOR LEVEL UG WITH MIN. GRADE OF D- AND CHEM 1230 FOR LEVEL UG WITH MIN. GRADE OF D-) OR (BIOL 2150 FOR LEVEL UG WITH MIN. GRADE OF D- AND CHEM 1230 FOR LEVEL UG WITH MIN. GRADE OF D-)	LE	EEES150,EEES7150	26.1303	201630	201610	Yes	Summer,Fall, Spring		approve
UG	SM	EEES4200	Quaternary Geology	[3 credit hours]	To provide understanding of such cyclical events as climate change, sea level fluctuations, vegetation change and ice sheet paleogeography during the Quaternary Period and to explore future changes for planet Earth.	To provide understanding of such cyclical events as climate change, sea level fluctuations, vegetation change and ice sheet paleogeography during the Quaternary Period and to explore future changes for planet Earth. Field trip is mandatory.	Prerequisites: EEES 3200 FOR LEVEL UG WITH MIN. GRADE OF D-	LE	EEES200	40.0601	201510	201510	No	Spring		approve
UG	SM	EEES4220	Environmental Geochemistry	[3 credit hours]	Chemical reactions of environmental concern. Water and soil chemistry related to contaminant fate and mobility. Petroleum formation, migration and accumulation in the subsurface. Computer software used.	Chemical reactions of environmental concern. Water and soil chemistry related to contaminant fate and mobility. Computer software used.	Prerequisites: CHEM 1240 FOR LEVEL UG WITH MIN. GRADE OF D-	LE	EEES220	40.0601	201610	201610	No	Fall,Spring		approve
UG	SM	EEES4240	Soil Science	[3 credit hours]	Basic principles of soil formation, physics, chemistry and biology with emphasis on their influence on fluid and chemical migration and preservation of soil quality from geological, agricultural and environmental perspectives.	Basic principles of soil formation, physics, and chemistry with emphasis on their influence on fluid and chemical migration and preservation of soil quality from geological, agricultural and environmental perspectives.	Prerequisites: CHEM 1240 FOR LEVEL UG WITH MIN. GRADE OF D-	LE	EEES240	40.0601	201610	201610	No	Fall,Spring		approve

UG	HE	KINE1700	Introduction To Exercise Science	[2 credit hours]	An introduction to the professions involving exercise science; sports science, rehabilitation therapy and physical education. Emphasis is on basic concepts of physiological, biomechanical and psychological function in human movement. Programmatic and career opportunities are discussed.	An introduction to the professions involving exercise science, sports science, athletic training and rehabilitation therapy. Emphasis is on basic concepts of anatomical, neurological, physiological, biomechanical and psychological function in human movement. Programmatic and career opportunities are discussed.				LE	31.0505	201640	201610	Yes	Fall,Spring	approve
UG	HE	KINE2460	Human Anatomy And Physiology I Lab	[1 credit hour]	Laboratory exercises in histology, dissection, identification, and physiology of the axial and appendicular skeletal system, the skeletal muscle system, the central and peripheral nervous system, tissues, the eye, and cell transport. An integrated study of physiology with emphasis on musculoskeletal, cardiovascular, lymphatic, respiratory, neurologic, digestive, renal, endocrine and reproductive systems. Required for students in exercise science and allied health professions.	Laboratory exercise in anatomical terminology, cell division and transport, histology, and dissection, identification, and physiology of the skeletal system, skeletal muscle system, and nervous system; including the eye and ear. Co-requisite: KINE 2560. This course provides foundational information on human physiology. Emphasis is placed on cell physiology, metabolism, as well as the musculoskeletal, cardiovascular, respiratory, endocrine, and immune systems in the maintenance of normal body function	Core Natural Science		KINE2560	LB	31.0505	201640	201610	No	Summer,Fall,Spring	approve
UG	HE	KINE2530	Human Physiology	[3 credit hours]	Structure and function of the human body. Study of cells, tissues, special senses, and the skeletal, muscle, and nervous systems. Natural science core course.	Anatomy and physiology of the human body. Study of cells, tissues, special senses, and the skeletal, muscle, and nervous systems. Co-requisite: KINE 2460. Natural science core course.	Core Natural Science	Trans Mod Natural S		LE	31.0505	201640	201610	No	Summer,Fall,Spring	approve
UG	HE	KINE2560	Anatomy And Physiology I	[3 credit hours]	Structure and function of human endocrine, blood, cardiovascular, lymphatic, respiratory, digestive, urinary and electrolyte, and reproductive systems.	Anatomy and physiology of human endocrine, blood, cardiovascular, lymphatic, respiratory, digestive, urinary and electrolyte, and reproductive systems. Pre-requisite: KINE 2460 and KINE 2560 or permission of instructor; Co-requisite: KINE 2470.	Core Natural Science		KINE2460	LE	31.0505	201640	201610	Yes	Summer,Fall,Spring	approve
UG	HE	KINE2570	Human Anatomy And Physiology II	[3 credit hours]	Structure and function of human endocrine, blood, cardiovascular, lymphatic, respiratory, digestive, urinary and electrolyte, and reproductive systems.	Anatomy and physiology of human endocrine, blood, cardiovascular, lymphatic, respiratory, digestive, urinary and electrolyte, and reproductive systems. Pre-requisite: KINE 2460 and KINE 2560 or permission of instructor; Co-requisite: KINE 2470.			KINE2470	LE	31.0505	201640	201610	Yes	Summer,Fall,Spring	approve
UG	HE	KINE2580	Human Pathophysiology For Health Care	[3 credit hours]	Topics include the cellular perspective and fluid environment, genetic disorders, and pathophysiology of organ systems, concentrating on cardiovascular, respiratory, renal-urinary, endocrine, gastrointestinal and nervous.					LE	31.0505	201640	201610	No	Fall,Spring	approve
UG	HE	KINE2590	Microbiology And Infectious Diseases	[3 credit hours]	Structure and function of bacteria and viruses; antigen-antibody reactions, immunology, serology, growth and inhibition of microorganisms. Pathologic responses to infection; pathogenesis and disease, principal infectious diseases of man.	This course describes and differentiates basic Microbiology topics as well as covering bacterial, viral, and protozoan infections within various body systems.				LE	51.2311	201640	201610	Yes	Summer,Fall,Spring	approve
UG	HE	KINE2610	Evaluation Of Lower Extremity Injuries	[3 credit hours]	Study of the pathology, etiology and physiology of lower extremity injuries common in athletics as well as life-threatening head and neck injuries. Signs, symptoms and specific tests will be discussed.					LB,LE	51.0913	201640	201540	No	Fall	approve

UG	HE	KINE2620	Evaluation Of Upper Extremity Injuries	[3 credit hours]	Study of the pathology, etiology and physiology of Upper extremity injuries common in athletics as well as non-life-threatening head and neck injuries. Signs, symptoms and specific tests for the upper extremity and trunk will be discussed.	Prerequisites: KINE 2610 FOR LEVEL UG WITH MIN. GRADE OF D- AND KINE 2640 FOR LEVEL UG WITH MIN. GRADE OF D- (MAY BE TAKEN CONCURRENTLY)	Prerequisite es: KINE 2710 FOR LEVEL UG WITH MIN. GRADE OF B-	KINE 2640	LB,LE	51.0913	201610	201610	No	Spring	approve	
UG	HE	KINE2710	Clinical Skills Development I	[2 credit hours]	Laboratory experience to review and test the clinical skills taught during the first year of the athletic training curriculum and clinical skill development experiences provided in the athletic training room with intercollegiate athletic teams.		Formal Acceptance into the Professional Athletic Training Program		FE,LB	51.0913	201640	201540	No	Fall	approve	
UG	HE	KINE2720	Clinical Skills Development II	[2 credit hours]	Laboratory experience to review and test the clinical skills taught during the lower extremity evaluation course in the athletic training curriculum and clinical skill development experiences provided in the athletic training room with intercollegiate athletic teams.	Prerequisites: KINE 2610 FOR LEVEL UG WITH MIN. GRADE OF D-	Prerequisite es: KINE 2710 FOR LEVEL UG WITH MIN. GRADE OF B-		FE,LB	51.0913	201610	201610	No	Spring	approve	
UG	HE	KINE3200	Advanced Human Anatomy	[3 credit hours]	An elective course that applies musculoskeletal anatomy to human movement, function, injury evaluation and rehabilitation through in cadaver observation and dissection.	Prerequisites: KINE 2510 FOR LEVEL UG WITH MIN. GRADE OF D- AND KINE 2530 FOR LEVEL UG WITH MIN. GRADE OF D- AND KINE 2530 FOR LEVEL UG WITH MIN. GRADE OF D- AND KINE 2540 FOR LEVEL UG WITH MIN. GRADE OF C	Prerequisite es: KINE 2510 FOR LEVEL UG WITH MIN. GRADE OF C AND KINE 2520 FOR LEVEL UG WITH MIN. GRADE OF C AND KINE 2530 FOR LEVEL UG WITH MIN. GRADE OF C		LB,LE	31.0505	201640	201610	No	Summer, Fall, Spring	approve	
UG	HE	KINE3240	Concepts of Exercise Fitness and Health Strategies	[3 credit hours]	This focus of this course is the self-exploration of the importance of regular physical activity including cardiovascular and muscular exercise on maintaining physical fitness and wellness.	This focus of this course is the self-exploration of the importance of regular physical activity including cardiovascular and muscular exercise on maintaining physical fitness and wellness. Min grade of C for HPEP concentration.	Pre-Req: KINE 2560, 2460, 2570, 2470 OR KINE 2510, 2520, 2530, 2540. Min grade of C		LE	31.0505	201640	201610	Yes	Summer, Fall, Spring	approve	
UG	HE	KINE3520	Applied Exercise Physiology	[3 credit hours]	This course will provide information related to the physiological responses of the human organism to exercise and exercise training. Emphasis will also be placed on the role exercise plays in health and disease prevention.		Pre-Req: KINE 2560, 2460, 2570, 2470 OR KINE 2510, 2520, 2530, 2540. Min grade of C		LE	KINE3520	31.0505	201640	201610	Yes	Summer, Fall, Spring	approve
UG	HE	KINE3610	General Medical Conditions For Athletic Trainers	[2 credit hours]	Knowledge and skills that entry-level athletic trainers must possess to recognize, treat and refer, when appropriate, the general medical conditions and disabilities of people involved in physical activity.		Prerequisites: KINE 3630 FOR LEVEL UG WITH MIN. GRADE OF D-	ADDITIONAL: KINE 3710 FOR LEVEL UG WITH MIN. GRADE OF B-	LE	51.0913	201610	201610	No	Fall, Spring	approve	
UG	HE	KINE3630	Therapeutic Modalities For Athletic Trainers	[3 credit hours]	Physiological, mechanical and bio-electrical principles and techniques of application for electrical, thermal, high frequency radiation and traction modalities used in the treatment of athletic injuries.		Prerequisites: KINE 2620 FOR LEVEL UG WITH MIN. GRADE OF D-	ADDITIONAL: KINE 2720 FOR LEVEL UG WITH MIN. GRADE OF B-	LB,LE	51.0913	201640	201540	No	Fall	approve	

UG	HE	KINE3660	Rehabilitation Of Athletic Injuries	[3 credit hours]	A systematic approach to exercise program development, techniques, indications and contraindications of exercise, and exercise progression as related to athletic injuries, prevention, reconditioning and return to play guidelines.		Prerequisites: KINE 3630 FOR LEVEL UG WITH MIN. GRADE OF D- Prerequisite es: KINE 3710 FOR LEVEL UG WITH MIN. GRADE OF B-	LB,LE	51.0913	201610	201610	No	Spring	approve
UG	HE	KINE3680	Sport and Exercise Pharmacology	[3 credit hours]	Provide the basics of pharmacology related to sport and exercise including: pharmacokinetics, indications and contradictions of various drugs and legal concerns related to using therapeutic and non-therapeutic drugs.	Provide the basics of pharmacology related to sport and exercise including: pharmacokinetics, indications and contradictions of various drugs and legal concerns related to using therapeutic and non-therapeutic drugs. Min.grade of C for HFPF concentration.	Prerequisites: KINE 2510 FOR LEVEL UG WITH MIN. GRADE OF D- AND KINE 2530 FOR LEVEL UG WITH MIN. GRADE OF D- Pre-Req: KINE 2560, 2460, 2570, 2470 OR KINE 2510, 2520, 2530, 2540. Min grade of C	LE	31.0505	201610	201610	Yes	Spring	approve
UG	HE	KINE3710	Clinical Skills Development III	[2 credit hours]	Laboratory experience to review and test the clinical skills taught during the upper extremity evaluation course in the athletic training curriculum and clinical skill development experiences provided in the athletic training room with intercollegiate athletic teams.		Prerequisites: KINE 2620 FOR LEVEL UG WITH MIN. GRADE OF D- Prerequisite es: KINE 2720 FOR LEVEL UG WITH MIN. GRADE OF B-	FE,LB	51.0913	201640	201540	No	Fall	approve
UG	HE	KINE3720	Clinical Skills Development IV	[2 credit hours]	Laboratory experience to review and test the clinical skills taught during the therapeutic modalities course in the athletic training curriculum and clinical skill development experiences provided in the athletic training room with intercollegiate athletic teams.		Prerequisites: KINE 3630 FOR LEVEL UG WITH MIN. GRADE OF D- Prerequisite es: KINE 3710 FOR LEVEL UG WITH MIN. GRADE OF B-	FE,LB	51.0913	201610	201610	No	Spring	approve
UG	HE	KINE3830	Principles of Strength Conditioning	[3 credit hours]	This course provides students with a fundamental understanding of muscular strength conditioning principles and the application of these principles to exercise programming relevant to physical activity and athletic performance.	This course provides students with a fundamental understanding of muscular strength conditioning principles and the application of these principles to exercise programming relevant to physical activity and athletic performance. Min. grade of C for HFPF concentration.	Prerequisites: KINE 2510 FOR LEVEL UG WITH MIN. GRADE OF D- AND KINE 2520 FOR LEVEL UG WITH MIN. GRADE OF D- AND KINE 2530 FOR LEVEL UG WITH MIN. GRADE OF D- Pre-Req: KINE 2560, 2460, 2570, 2470 OR KINE 2510, 2520, 2530, 2540. AND KINE 3520, 3530 Min grade of C	LB,LE	31.0505	201640	201540	No	Fall	approve
UG	HE	KINE3850	Cardiac Dysrhythmia Interpretation	[3 credit hours]	This course examines cardiac anatomy, electrophysiology and basic cardiac rhythms with an emphasis on the recognition and interpretation of cardiac dysrhythmias.	This course examines cardiac anatomy, electrophysiology and basic cardiac rhythms with an emphasis on the recognition and interpretation of cardiac dysrhythmias. Min. grade of C for HFPF concentration.	Prerequisites: KINE 2510 FOR LEVEL UG WITH MIN. GRADE OF D- AND KINE 2520 FOR LEVEL UG WITH MIN. GRADE OF D- AND KINE 2530 FOR LEVEL UG WITH MIN. GRADE OF D- Pre Req- KINE 2510, 2520, KINE 2530, KINE 2540, KINE 3520, KINE 3530 for level UG with min. grade of C KINE 3860	LE	31.0505	201640	201540	No	Fall	approve
UG	HE	KINE3860	Cardiac Dysrhythmia Lab	[1 credit hour]	This course is the practical application of the techniques required to administer a 12 lead EKG at rest and during exercise. Students will record multiple EKG's and interpret the rhythm.	This course is the practical application of the techniques required to administer a 12 lead EKG at rest and during exercise. Students will record multiple EKG's and interpret the rhythm. Min. grade of C for HFPF concentration.	Prerequisites: KINE 2510 FOR LEVEL UG WITH MIN. GRADE OF D- AND KINE 2520 FOR LEVEL UG WITH MIN. GRADE OF D- AND KINE 2530 FOR LEVEL UG WITH MIN. GRADE OF D- AND KINE 2540 FOR LEVEL UG WITH MIN. GRADE OF D- Pre Req- KINE 2510, 2520, KINE 2530, KINE 2540, KINE 3520, KINE 3530 for level UG with min. grade of C KINE3850	LB	31.0505	201640	201540	No	Fall	approve
UG	HE	KINE3920	Cardiopulmonary Pathophysiology	[3 credit hours]	INACTIVE		Prerequisites: KINE 2510 FOR LEVEL UG WITH MIN. GRADE OF D- AND KINE 2520 FOR LEVEL UG WITH MIN. GRADE OF D- AND KINE 2530 FOR LEVEL UG WITH MIN. GRADE OF D- AND KINE 2540 FOR LEVEL UG WITH MIN. GRADE OF D-	LE	31.0505	201510	201410	No	Spring	approve

UG	HE	KINE3950	Research Design in Exercise Science	[3 credit hours]	This course emphasizes the design, analysis and interpretation of qualitative and quantitative research methods in the areas of athletic training, exercise science and other health-related fields.	This course emphasizes the design, analysis and interpretation of qualitative and quantitative research methods in the areas of athletic training, exercise science and other health-related fields. Min. grade of C or better for HPFP concentration.	Pre-Req: MATH 2600 or RESM 4100 and Junior Standing	LE	31.0505	201610	201610	No	Spring	approve	
UG	HE	KINE4140	Fitness Internship I	[4 credit hours]	Students will actively engage and participate in the day-to-day functions including operational, managerial and client assessments in a health, wellness or fitness facility (16 hours/week).	Students will actively engage and participate in the day-to-day functions including operational, managerial and client assessments in a health, wellness or fitness facility (16 hours/week). Min. grade of C for HPFP concentration.	Pre-req: KINE 3850, 3860, 4850, 4860, with min. grade of C	FE	31.0505	201640	201540	No	Fall	approve	
UG	HE	KINE4210	Exercise Facility Management	[3 credit hours]	Students will develop an understanding of the skills necessary for marketing, promoting and managing various fitness, wellness and rehabilitation facilities. This is a combined, online lecture and laboratory course that presents a systems approach to the human body, covering cells and tissues, integument, skeletal and muscular systems, and central and peripheral nervous systems.	Students will develop an understanding of the skills necessary for marketing, promoting and managing various fitness, wellness and rehabilitation facilities. Min. grade of C for HPFP concentration.	Junior Standing	LB,LE	31.0505	201610	201610	Yes	Spring	approve	
UG	HE	KINE4460	Advanced Human Anatomy I	[3 credit hours]		INACTIVE		LE	???	201440		Pre-Banner or Not Offered	Yes	Fall	approve
UG	HE	KINE4540	Applied Biomechanics	[3 credit hours]	This course focuses on the application of biomechanics concepts to the acquisition and refinement of fundamental movement patterns, basic functional skills and sport activities. Such topics as locomotion, balance and the biomechanical basis of injury are examined through lecture and lab activities.	This course focuses on the application of biomechanics concepts to the acquisition and refinement of fundamental movement patterns, basic functional skills and sport activities. Such topics as locomotion, balance and the biomechanical basis of injury are examined.	Pre-Req: KINE 2560, 2460, 2570, 2470 OR KINE 2510, 2520, 2530, 2540. Min grade of C	LE	31.0505	201640	201610	Yes	Summer, Fall, Spring	approve	
UG	HE	KINE4550	Applied Biomechanics Laboratory	[1 credit hour]	This course is the laboratory component of the applied biomechanics course. Emphasis will be placed on the application of the concepts learned in lecture to rehabilitation and sport situations. This will occur through hands-on activities and experiments involving contemporary forms of biomechanical instrumentation.	This course is the laboratory component of the applied biomechanics course. Emphasis will be placed on the application of the concepts learned in lecture to rehabilitation, sports in jury, exercise, and sport situations. This will occur through hands-on activities and experiments involving contemporary forms of biomechanical instrumentation.	KINE4540	LB	31.0505	201640	201610	No	Fall, Spring	approve	
UG	HE	KINE4620	Therapeutic Kinesiology	[3 credit hours]	A lecture, discussion and laboratory course designed to prepare students to work with patients on land and in the water. Emphasis will be placed on the rehabilitation and geriatric populations.	INACTIVE	Prerequisites: (KINE 2510 FOR LEVEL UG WITH MIN. GRADE OF D- AND KINE 2530 FOR LEVEL UG WITH MIN. GRADE OF D-)	LB,LE	51.2311	201310	201210	No	Summer, Fall, Spring	approve	
UG	HE	KINE4640	Neurological And Pathological Foundations Of Rehabilitation	[3 credit hours]	Study of neurological control of normal movement and the implications of various medical pathologies for rehabilitation. Emphasis on inflammatory processes, metabolic and vascular disturbances, traumatic injuries, nutritional deficiencies, neoplasms, degenerative conditions and congenital disorders.		Prerequisites: KINE 2510 FOR LEVEL UG WITH MIN. GRADE OF D-	LE	51.2311	201640	201610	No	Fall, Spring	approve	
UG	HE	KINE4650	Organization And Administration Of Athletic Training Programs	[3 credit hours]	Administration of athletic training programs including athletic training room management, budgeting, staffing, insurance, medical records, emergency care planning, preparticipation physical examinations, athletic training room design, legal issues and public relations.		Prerequisites: KINE 3660 FOR LEVEL UG WITH MIN. GRADE OF D-	LE	51.0913	201640	201540	No	Fall	approve	
UG	HE	KINE4710	Clinical Skills Development V	[2 credit hours]	Laboratory experience to review and test the clinical skills taught during the rehabilitation of sports injuries course in the athletic training curriculum and clinical skill development experiences provided in the athletic training room with intercollegiate athletic teams.		Prerequisites: KINE 3660 FOR LEVEL UG WITH MIN. GRADE OF D- AND KINE 3610 FOR LEVEL UG WITH MIN. GRADE OF D-	FE,LB	51.0913	201640	201540	No	Fall	approve	
UG	HE	KINE4720	Clinical Skills Development VI	[2 credit hours]	Emphasis on clinical experience in athletic training off-campus. Also includes a laboratory experience to review clinical skills.		Prerequisites: KINE 4650 FOR LEVEL UG WITH MIN. GRADE OF D-	FE,LB	51.0913	201610	201610	No	Spring	approve	

