

BAY STATE COLLEGE
COURSE LISTING 2022-23

CourseCode	CourseDescrip	credits	Comments	CourseType	Other Prereq	Course Prereq	Course Coreq
ACC 100	Financial Accounting I	3	This is an introductory course in accounting that will allow students to develop a basic understanding of the language of business. Topics include the accounting cycle, accounting terminology and principles, special journals, current assets including merchandise inventory and current liabilities, cash and internal controls together with the construction and analysis of financial statements.	Lecture			
ACC 110	Financial Accounting II	3	This course introduces students to accounting procedures utilized in the issuance and redemption of both equity and debt securities. The valuation of plant assets, natural resources and intangibles. Students will explore the various forms of business ownership such as partnerships and corporations, including analysis of the Income Statement, Balance Sheet and Statement of Cash Flows. Other topics discussed will include the accounting for investments and the time value of money.	Lecture		(ACC 100)	
ACC 200	Intermediate Accounting I	3	The course focuses on financial accounting standards and prepares the student with the tools to apply the standards. The coverage starts with the conceptual framework and then concentrates on the four financial statements. This course concludes with an in-depth look at the sections of the balance sheet.	Lecture		(ACC 110)	
ACC 201	Intermediate Accounting II	3	This course is a continuation of ACC 200 and continues with the conceptual framework as it applies to the liabilities and stockholders' equity sections of the Balance sheet. The student then focuses on special accounting issues in accounting and concludes with the Statement of Cash Flows.	Lecture		(ACC 200)	
ADJ 260	Principles of Digital Forensics	3	This course will introduce students to principles of digital forensics. The essentials covered in this course will include computer system storage fundamentals, operating systems and data transmission, computer network architecture, digital forensics best practices, proper evidence collection and storage, and federal rules and criminal codes. Upon successful completion of this course, students will be ready to proceed in more advanced and technical courses such as computer forensics, mobile device forensics, and malicious code forensics.	Lecture	Credits/Hours Required 45.00/0.00		
ADJ 261	Information Security Essentials	3	Students are provided an introduction to network security, compliance and operations security, threats and vulnerabilities, as well as application data, and host security. Moreover, topics such as access control, identity management, and cryptography are covered. This course is designed to prepare students to undertake CompTIA Security+ examination upon completion.	Lecture	Credits/Hours Required 45.00/0.00		
AHI 100	Fine Arts	3	This course is intended to provide an introduction to the fine arts, including painting, sculpture, architecture, music, modern opera, and poetry. Focus is placed on the historical, religious, and political significance of the art studied. Students are expected to recognize major developments in Western thought and culture from the early Renaissance to modern art of the 20th century. Students are asked to visit museums and attend productions as well as other cultural events.	Lecture	Test Optional Rule: 1(Min Required:1) English Placement (Score) >=101	(ENG 099A) Or (ENG 101) Or (ENG 102)	
AHI 102	Art History II - Renaissance to the Modern	3	This course will provide a survey of art history of the Western World for the Renaissance through the 20th century, including painting, sculpture, and architecture. Focus of our study will be placed on the historical, religious, political and cultural significance of the art we examine. Students will be expected to recognize major developments in Western Art from the 15th - 20th century and to identify major artists and their individual contributions to Western civilization. Students will be asked to attend a tour of the Museum of Fine Arts, Boston.	Lecture	Test Optional Rule: 1(Min Required:1) English Placement (Score) >=101	(ENG 099A) Or (ENG 101) Or (ENG 102)	
ANT 103	Anthropology of Health and Illness	3	The purpose of this course is to place health and illness in a sociocultural context. Culture affects attitudes, beliefs, and techniques of healing and vice versa. Theories, practices, and institutions in relation to global and local cultural groups will be examined. Cross-cultural similarities and differences in birth, aging, disability, death, etc., will be discussed in various cultural myths, and alternative approaches to healing and illness are studied in various cultural settings.	Lecture	Test Optional Rule: 1(Min Required:1) English Placement (Score) >=102	(ENG 101) Or (ENG 102)	
AUD 101	Audio Theory and Recording	3	In this course, students are introduced to the basic skills, theories and production techniques used in multi-track music recording and production. Topics include studio recording console design and operation, microphone design theory and application, digital tape machines, patch bay, signal flow, and basic mixdown techniques.	Lecture/Lab	Test Optional Rule: 1(Min Required:1) Math Placement (Score) >=104	(MAT 098) Or (MAT 104) Or (MAT 160)	
AUD 103	Live Sound Engineering	3	Sound Engineering is a broad-based course designed to give students a wide based knowledge of and experience in sound engineering theory and practice. It covers sound from theatre to conference room, from concert hall to stadium. It is not a music producer's course but an engineer's course for people who want to know how sound engineering equipment operates and why.	Lecture/Lab		(AUD 101)	

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AUD 104	Studio Recording	3	Students apply, develop and expand on skills learned in AUD101 by recording projects with musicians. Much of the course focuses on audio processing tools and techniques. Specific topics include dynamic processors, digital effects, SMPTE synchronization, equalization, analog tape recorders, time code, automated mixdown, and recording session protocols and procedures.	Lecture/Lab		(AUD 103 AND AUD 110)	
AUD 106	Critical Listening	3	This course provides aspiring music producers with the ability to hear and identify the key features of a balanced, artful, and professional music mix. Through educational drills, analysis of classic recordings, and comparison of different mixing styles, students will be able to identify width and depth, free range, dynamics, and mix approaches used in various music selections.	Lecture/Lab			
AUD 110	Desktop Audio I	3	This course introduces students to the theories, practices, and tools used in digital audio production. Binary number systems, analog to digital converters, cables, connectors, digital protocol formats, file formats, sampling rate, bit depth and delivery media. Students will gain a working knowledge of Pro Tools 10 and complete projects involving editing, recording, mixing and post scoring video.	Lecture		(AUD 101)	
AUD 112	Desktop Audio II	3	Desktop Audio II will introduce students to intermediate and advanced Digital Audio Workstation (DAW) techniques, through continue exploration of the industry standard Pro Tools software. Upon completion of the course students should have a proficiency in tracking, editing and mixing techniques required in today's studio workflow.	Lecture		(AUD 110)	
AUD 200	Midi and Synthesis	3	Students learn advanced desktop audio applications MIDI (Musical instrument digital interface) protocol and Audio Synthesis. Topics include hard disk recording, sampling and editing, signal processing and MIDI in multimedia. Advanced skills will be developed using synthesizers and samplers. Students will study the elements of sound and how they apply to simple and complex waveforms, envelopes, LPOs, filters and keyboard architecture.	Lecture/Lab		(AUD 110)	
AUD 210	Logic Pro Studio	3	Using Logic Pro Studio, one of the industry standard digital production software packages, students will explore beginning, intermediate and advanced production techniques of audio recording and importing, editing and manipulation, virtual instruments and plug-ins, and other application interface. Students will demonstrate increasing proficiency with Logic Pro Studio through individual and team based projects.	Lecture/Lab		(AUD 110)	
AUD 220	Advanced Audio Theory	3	This course continues the study of the principles of audio signals and the equipment used to record, process, and distribute audio content. Sound in acoustical form is discussed to introduce students to issues related to studio acoustics. Students expand their understanding of signal flow and advanced audio systems by creating and reading complex block diagrams. The course is an in depth study of concepts and equipment used in all facets of audio production: signal processors, dynamic range, distortion, analogue recording and SMPTE time code.	Lecture/Lab		(AUD 101)	
AUD 300	Sound Design	3	Sound Design represents the technical and artistic issues related to incorporating and manipulating sound into recordings and multimedia, such as web sites, video games and virtual worlds. Additionally, students will explore the practical skills and theoretical knowledge that is applied when sing both linear and non-linear sound design techniques used or film and video.	Lecture/Lab		(AUD 110)	
AUD 310	Advanced Live Sound Engineering	3	This course is designed to give students both advanced theoretical and practical application of audio recording in the unique and specialized area of Live Sound. Students will explore challenges such as audience noise, mic placement for the audience and venue structure. The course will be taught alternating between a class room setting and on location. Under the direction of the instructor, students will produce concert recordings throughout the semester.	Lecture/Lab		(AUD 103)	
AUD 320	Advanced Studio Recording	3	The course focuses on recording techniques used in multitrack music production. Subjects include advanced signal flow, overdubbing, recording session management, time code, studio procedures, console operation, signal processing, analytical and critical listening skills, close, distant, and stereo mic techniques for a variety of musical instruments, and basic mixdown strategies. Students participate in in-class recording sessions and engineer recording projects.	Lecture/Lab		(AUD 104)	
AUD 340	Commercial Audio Installation	3	This course provides students with the skills that are necessary to obtain work in the audio and video installation field. Residential and commercial AV installation including HD TV, surround sound, high and low voltage and multi-zone AV systems, mobile AV formats and high-end retail systems will be discussed. Students will learn how to coordinate projects involving contractors, vendors, designers and retailers to create and maintain these audio and video systems. In addition, students will begin to develop a vocabulary of common audio definitions, concepts and expressions.	Lecture/Lab		(AUD 220)	

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AUD 350	Mixing	3	This course provides students with an understanding of the synchronization of different mediums with digital audio and sampling techniques in order to create professional quality mixed tracks. Building on the foundational skills introduced in Advanced Studio Recording, students will explore a variety of mixing styles, editing techniques, processors, and effects using multitrack recordings in arranging and equalizing pre-recorded vocal and instrumental tracks.	Lecture		(AUD 320)	
AUD 400	Mastering	3	Students will explore issues related to the process of mastering audio for multiple formats including vinyl, CDs, and digital music in a recording studio. While working with studio personnel, students will cover issues dealing with level management, dynamic range, frequency response, surround equipment, and multichannel audio formats, among others.	Lecture/Lab		(AUD 320)	
AUD 405	Advanced Production	3	Advanced Audio Production is an in-depth study of audio/sound/hearing and the application of audio principles and acoustic physics. Other topics include digital editing, mixing and multi-tracking; studios and acoustics; equipment needs such as consoles, microphones, speakers and recorders; the processing of signals; and on-location recording. Students learn through lecture/discussion as well as through hands-on usage of advanced equipment.	Lecture/Lab		(AUD 220)	
AUD 410	Mixing and Mastering	3	In this course, students will explore and apply technical and aesthetic challenges within the mixing and mastering stages of recording. Through hands-on projects, the theoretical knowledge learned in prior classes is reinforced and expanded. Students will analyze the pros and cons of working solely on a computer as opposed to a more traditional hardware-based approach, as well as to design a studio using either approach. Finally, students will assess the differences between mixing and mastering, along with methods to use the two synergistically.	Lecture		(AUD 320)	
BIO 100	Survey of Life Sciences	3	This course introduces fundamental topics in the biological and physical sciences for the purpose of increasing general scientific literacy in basic anatomy, physiology, biology, and chemistry. Specific areas of focus are an overview of cell theory and membranes; major human body systems with an emphasis on homeostasis physiology; genetics and heredity; basic atomic structure and biological macromolecules; states of matter and chemical reactions; and scientific reasoning.	Lecture/Lab			
BIO 102	Introduction to Biology	3	Students explore the fundamentals of biology by surveying biochemistry, cell theory, genetics, evolution and ecology. Topics include a focus on cell structure, cellular respiration, photosynthesis, structure and function of DNA, mitosis, meiosis, the genetic basis of heredity, how populations evolve and an overview of ecology. Students will have opportunities to discuss how these principles connect with relevant topics in the news, such as climate change and gene editing. Pre-requisite(s): ENG 101 (or ENG 111) or ENG 102 (COR 102) or Test Placement into ENG 102 Co-requisites: BIO 102L Equivalent: BIO 101A (Only with BIO 102L)	Lecture	Test Optional Rule: 1(Min Required:1 English Placement (Score) >=101	(ENG 101 OR ENG 102 OR ENG 111 OR ENG 111B OR COR 102 OR COR 102A OR COR 102B)	(BIO 102L)
BIO 102L	Introduction to Biology Lab	1	This laboratory is designed to accompany and support the Introduction to Biology course. In this lab, students will practice safe laboratory principles and explore biological concepts with an emphasis on applying the scientific method. Pre-requisite(s): ENG 101 (or ENG 111) or ENG 102 (COR 102) or Test Placement into ENG 102 Co-requisites: BIO 102 Equivalent: BIO 101A (Only with BIO 102)	Lab	Test Optional Rule: 1(Min Required:1 English Placement (Score) >=101	(ENG 101 OR ENG 102 OR ENG 111 OR ENG 111B OR COR 102 OR COR 102A OR COR 102B)	(BIO 102)
BIO 107	Fundamentals of Nutrition	3	The student will study contemporary issues in nutrition. This includes the key to good health in relation to diet and disease prevention, the nutrient composition of foods, and nutrition across the lifespan with an emphasis on health promotion and wellness during pregnancy, childhood, adolescence, adulthood, and aging. This interdisciplinary perspective will include social, behavioral, and public health policies and their effect on the health and well-being of society. The application of scientific principles to food storage and preparation (including meal planning) with emphasis on nutritional and sanitary dimensions of food handling practices is discussed.	Lecture	Test Optional Rule: 1(Min Required:1 English Placement (Score) >=102	(ENG 101) Or (ENG 102)	
BIO 107L	Fundamentals of Nutrition Lab	1	This laboratory course is designed to accompany the Fundamentals of Nutrition course. In the lab, students will conduct studies linked to major concepts in nutrition. They will have experiences to apply scientific methodologies in the investigation of nutritional issues.	Lab			(BIO 107)
BIO 108	Introduction to Environmental Science	3	This course introduces concepts of and scientific methodologies related to environmental science. Students will explore interactions between organisms and their environments. Identification of major environmental challenges, such as: population growth, diminishing resources (e.g. food, water, and sustainable energy), pollution and global change will be examined. Students will be able to critically examine these issues, identify causes and propose solutions to these challenges.	Lecture			

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BIO 108L	Introduction to Environmental Science Lab	1	This lab course is designed to accompany the Introduction to Environmental Science course. In the lab, students will conduct studies linked to major concepts in environmental science. They will have experiences to apply scientific methodologies in the investigation of environmental issues.	Lab			(BIO 108)
BIO 204	Anatomy and Physiology 1	3	Anatomy and Physiology I begins with the terminology of anatomical orientation and reviews relevant biochemistry, cell structure, cell function, and basic histology. Students then progress through the integumentary, skeletal, muscular and nervous systems with an emphasis on form and function. Pre-requisite(s): ENG 101 (or ENG 111) or ENG 102 (COR 102) or Test Placement into ENG 102 Co-requisites: BIO 204L Equivalent: BIO 201A (Only with BIO 204L)	Lecture	Test Optional Rule: 1(Min Required:1 English Placement (Score) >=101	(ENG 101 OR ENG 102 OR ENG 111 OR ENG 111B OR COR 102 OR COR 102A OR COR 102B)	(BIO 204L)
BIO 204L	Anatomy and Physiology 1 Lab	1	This laboratory is designed to accompany and support the Anatomy and Physiology 1 course. In this lab, students will practice safe laboratory principles and explore lecture concepts using models, images, animal dissections and instructor-led demonstrations. The topics will include the integumentary, skeletal, muscular and nervous systems. Pre-requisite(s): ENG 101 (or ENG 111) or ENG 102 (COR 102) or Test Placement into ENG 102 Co-requisites: BIO 204 Equivalent: BIO 201A (Only with BIO 204)	Lab	Test Optional Rule: 1(Min Required:1 English Placement (Score) >=101	(ENG 101 OR ENG 102 OR ENG 111 OR ENG 111B OR COR 102 OR COR 102A OR COR 102B)	(BIO 204)
BIO 205	Anatomy and Physiology 2	3	Anatomy and Physiology II covers form and function of the endocrine, cardiovascular, lymphatic, immune, respiratory, urinary, digestive, and reproductive systems. The concept of homeostasis is emphasized throughout and when relevant, foundational concepts from anatomy and physiology 1 will be integrated. Pre-requisite(s): BIO 204 and BIO 204L, or BIO 201A Co-requisites: BIO 205L Equivalent: BIO 202A (Only with BIO 205L)	Lecture		(BIO 204 AND BIO 204L) Or (BIO 201A)	(BIO 205L)
BIO 205L	Anatomy and Physiology 2 Lab	1	This laboratory is designed to accompany and support the Anatomy and Physiology 2 course. In this lab, students will practice safe laboratory principles and explore lecture concepts using models, images, animal dissections and instructor-led demonstrations. Topics include the endocrine, cardiovascular, lymphatic, immune, respiratory, urinary, digestive, and reproductive systems. Pre-requisite(s): BIO 204 and BIO 204L, or BIO 201A Co-requisites: BIO 205 Equivalent: BIO 202A (Only with BIO 205)	Lab		(BIO 204 AND BIO 204L) Or (BIO 201A)	(BIO 205)
BIO 206	General Microbiology	3	This course introduces students to bacteriology, parasitology, mycology and virology. The course will discuss classification, morphology and metabolism of microorganisms with focus on biological principles and the effects on human systems. Topics on host defenses, epidemiology, and approaches to diagnosis, treatment, and prevention of diseases are included. Pre-requisite(s): BIO 205 and BIO 205L, or BIO 202A Co-requisites: BIO 206L Equivalent: BIO 203A (Only with BIO 206L)	Lecture		(BIO 205 AND BIO 205L) Or (BIO 202A)	(BIO 206L)
BIO 206L	General Microbiology Lab	1	This laboratory is designed to accompany and support the General Microbiology course. In this lab, students will practice safe laboratory principles and explore lecture concepts using procedures that include microscopy, staining, culturing, and biochemical testing. Pre-requisite(s): BIO 205 and BIO 205L, or BIO 202A Co-requisites: BIO 206 Equivalent: BIO 203A (Only with BIO 206)	Lab		(BIO 205 AND BIO 205L) Or (BIO 202A)	(BIO 206)
CIN 101	Introduction to Cinema Studies	3	This course will broadly survey the history of film including related technology, production techniques, theory, criticism, and historical/cultural context. We will examine form as content, i.e. how composition (the shot) and context (editing) are as significant as character development and plot in creating effects.	Lecture			
CIN 102	Documentary Film	3	Truth may not be stranger than fiction, but in the hands of a skilled documentary filmmaker it can be at least as powerful. Long before television discovered the reality fad, documentary films were informing, persuading and even manipulating audiences. This course will examine the development of the documentary tradition in film from critical and historical perspectives through the exploration of important filmmakers, movements and trends.	Lecture			
CIS 103	Computer and Information Systems	3	This course introduces students to practical skills necessary to be successful in an era of digital revolution. Topics include the evolution of the computer, technology convergence, and the internet. A large portion of the course is devoted to the hands-on experience and proficiency development in Internet and library research, use of spreadsheet tools for modeling simple business problems, database creation for illustrating simple database design and data manipulation, as well as form and report design. The course also introduces advanced features of common digital presentation tools.	Lecture			

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CIS 109	Intermediate Office and Web Applications	3	An intermediate level course on office productivity applications focusing on spreadsheets, databases and web applications for document sharing and workflow support. Emphasis is placed on tools and applications operating on a cloud service model. Students gain in-depth knowledge of these tools and apply them throughout the course to solve typical business use cases.	Lecture		(CIS 103)	
CIS 112	Concepts of Project Management	3	This course introduces students how to organize large-scale projects in a productive and efficient manner. Content includes how to develop goals and objectives, market research, target audiences, create technical specifications, design marketing strategies, budget, schedule, supervise task relationships, manage resources, deal with conflict resolution, and continued project maintenance. Upon completion students will have a working knowledge of concepts as well as industry-standard project management software.	Lecture/Lab		(MAN 101 AND CIS 103)	
CIS 123	Enterprise End User Support	3	Enterprise End User Support provides students with the foundational and hands-on knowledge in the installation, upgrading, and migration of desktop systems in an enterprise environment. The course will focus on issues of network connectivity, security, maintenance, and mobile computing	Lecture/Lab		(CIS 103)	
CIS 124	Network Fundamentals	3	Network Fundamentals provides students with much of the knowledge required to operate, troubleshoot and manage computer networks. The course will cover the essential elements of the ways in which computers are connected through wired and wireless networks, including the fundamentals of peripherals, cloud computing and various web-based platforms.	Lecture		(CIS 103)	
CIS 202A	Introduction to Servers	3	This course teaches students the fundamentals of planning and implementing a server desktop in a wired and wireless environment. Students will receive instructions and practice in the implementation, management, and maintenance of active directory and network infrastructure. Students will be exposed to troubleshooting of the most popular desktop and networked applications in a multiple platforms environment.	Lecture		(CIS 103)	
CIS 209	Advanced Business Applications	3	This is a project-based course designed to familiarize students with the complexities of using computers in the solution to business problems. The course makes extensive use of complex business cases. Students are required to work in small teams or individually to resolve each assigned case. Students learn to communicate with the instructor or with each other in a complete virtual work environment.	Lecture		(CIS 103)	
CIS 210	Introduction to Programming	3	Introduction to programming provides students with a fundamental understanding of the nature and uses of computer programming. The course introduces procedural coding concepts using modern programming languages. It focuses on the four control flows, file input and output and array processing. Emphasis is on developing algorithms to solve a wide variety of business problems. This course will require students to engage in problem analysis and design, coding, testing and debugging programs in Java.	Lecture		(CIS 103)	
CIS 220	Computer Design/Fashion Concepts	3	In this course, students are introduced to the technique of using the computer as a design tool through conceptualization and creation of design artwork on the computer with specific emphasis on marker making and grading.	Lecture/Lab		(FAD 102)	
CIS 222	Object-Oriented Programming	3	This course provides the beginning programmer with a guide to developing structured program logic. The course begins by offering a language independent introduction to logic using object-oriented principles. It reviews key programming concepts, including arrays, and files, and enforces good style, modern conventions, and logical thinking. Advanced chapters cover object-oriented issues such as event-driven programming, exceptions, and the Unified Modeling Language (UML). The course emphasizes current techniques in object oriented program analysis, design and programming. Such topics as encapsulation, information hiding, inheritance and polymorphism are studied in class assignments and programming exercises. The Java programming language is utilized along with the UML modeling language.	Lecture		(CIS 210)	
CIS 300	Web Applications Development - Client Side	3	A study of the knowledge required to develop the server-side of interactive web applications in order to meet business needs. Focus will be made on current technology languages and tools such as PHP, Ruby, and ASP.Net or any other language on the market.	Lecture		(CIS 210)	
CIS 301	Web Applications Development - Server Side	3	Web Applications Development-Server Side will emphasize the concepts of the Object-Oriented paradigm such as objects, classes, and inheritance. Students will be able to develop object-oriented software applications to solve business problems. Additionally, students will learn how to access databases.	Lecture		(CIS 210)	
CIS 305	Network Infrastructure and Security	3	Network Infrastructure and Security will provide students with detailed understanding of the theoretical and practical uses and limitations of computer networks. This class will provide students with the knowledge and skills to configure and manage an Exchange Server messaging environment. This course will offer instruction in guidelines, best practices, and considerations for Exchange Server configuration and deployment. The course will also include the exploration of wireless, virtual, and cloud-based networks.	Lecture		(CIS 210 AND CIS 124)	

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CIS 313	Enterprise Systems and Integration	3	Students learn about Enterprise Systems as well as the process for implementing them. This course provides an overview of Enterprise Resource Planning (ERP) systems, and shows how ERP systems are used to support business processes, make effective business decisions, and support business strategies. The course focuses on enterprise systems architecture and integration as well as their selection, implementation and project management issues. Students use a popular enterprise system to demonstrate portions of a fully functional ERP system for a company as they run through typical business process scenarios.	Lecture		(CIS 103)	
CIS 320	Operating Systems	3	This course examines the principles, techniques, and trends of contemporary operating systems such as Windows and Unix. The course will also explore the basic concepts of design and development of operating systems.	Lecture		(CIS 313)	
CIS 321	Internet Analytics	3	Students will explore how internet analytics is taking a greater role in business analysis and decision making. Specifically, students will gain an understanding of the strategic and operational nature of internet analytics tools and technologies. Students will be introduced to web data sources such as web blogs, Big Data, social media data Common key performance indicators and internet analytics tools will be presented and utilized. The practical focus will be on analyzing and interpreting data in order to address specific decision making scenarios.	Lecture		(CIS 103)	
CIS 325	Applied Analytics	3	Applied analytics introduces students to the use of different data analysis techniques to address specific business related decisions. The objective is to produce insights from this analysis in a manner suitable to assist non-experts to more accurately plan a major activity, quantify risk or decide on competing alternatives. The course covers descriptive data mining techniques such as cluster analysis and association rules; and predictive data mining such as regression and classification methods. Finally, the course introduces students to data visualization techniques.	Lecture		(CIS 103 AND MAT 200)	
CIS 327	User Interface Design and Evaluation	3	This courses focuses on the design of effective user interfaces. Students in the course will learn how the design, implementation, and evaluation of a human computer interface fits into a comprehensive software development life cycle. This course begins with selected aspects of human cognition and behavior as they apply to user interface design. Students will learn how to perform task analysis, construct scenarios and storyboards, as well as models of typical user interfaces, how to build and evaluate prototypes, and how to evaluate finished user interfaces for software systems.	Lecture		(CIS 210)	
CIS 330	Programming for Business Analytics	3	This course introduces students to programming in Python for business analysis. Emphasis is placed on the concepts and techniques relevant to the use of structured data sets. Therefore, portion of the course deals with data loading and wrangling. The course reviews fundamental programming concepts and introduces some relevant aspects of key data analytics libraries: Pandas, Matplotlib and NumPy. The aim of the course is to acquaint students with enough resources found in the Python programming language and libraries to address common business problems requiring data analytics.	Lecture		(CIS 210 AND MAT 200)	
CIS 335	Data Visualization	3	Students learn how to better understand data, and to present the findings from their analysis. It introduces students to design principles for creating meaningful displays of quantitative and qualitative data. Much of the work will be drawn from usable data sets enabling students to focus their time on applying several visualization techniques across multiple platforms. Some topics include storytelling, balance scorecards, dynamic dashboards, infographics, interactive and geospatial displays.	Lecture		(CIS 109)	
CIS 355	Managing IT Services	3	This course focuses on providing a standards-based framework to 1) structure IT-related activities and approaches for supporting and delivering IT services; 2) to enhance the interactions of IT technical personnel with business customers and users, and 3) to increase the quality, reliability, and flexibility of IT services. The primary emphasis of the course is on the ITIL Framework for ITSM, and is oriented toward preparing for the ITIL Foundation Certification Exam.	Lecture			
CIS 400	Database Management Systems	3	This course is designed to provide students with the fundamental concepts of relational databases and their applications. Students will learn about conceptualizing data using ERD, designing and normalizing tables, designing and running SQL scripts, DBMS and its components. The course will also highlight the O.O. databases as well.	Lecture		(CIS 210)	
CIS 403	Systems Analysis & Design	3	A capstone course for the BS in Information Technology, this course will provide students with the in-depth knowledge and training required to analyze and design information systems in order to solve business problems. The course will dissect all the phases of the SDLC and will explore a range of methodologies used in analysis and design. The course will also highlight some features of O.O Paradigm.	Lecture		(CIS 313)	

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CIS 404	IT Project Management	3	Design, Deployment, and Management with Lab will imbue students with the knowledge and skills needed to manage data communication and establish smaller computer networks. The class provides in-depth training on implementing, configuring, managing and troubleshooting Active Directory Domain Services (AD DS) in Windows Server environments. It covers core AD DS concepts and functionality as well as implementing group policies, performing backup and restore functions, and monitoring and troubleshooting Active Directory-related issues.	Lecture		(CIS 313)	
CIS 405	Cloud Security Risk Management Policy Methods Review	3	Students review and analyze the compliance implications of selected cloud security policies and methods with a specific focus on the NIST Risk Management Framework (RMF).	Lecture			
CIS 406	Cloud Security Risk Management Methodology	3	Integrating enterprise and cloud systems risk management, students apply NIST Risk Management Framework (RMF) as they complete project deliverables and communicate project results. In addition, students develop in-depth analytic competencies.	Lecture		(CIS 405)	
CIS 407	Cloud Security Risk Management Practicum I	3	In this virtual practicum/internship, focusing on the integrated enterprise/cloud system, students develop the capability to evaluate a test case scenario system, develop a SSP, and select and/or write appropriate security controls. Students then document results.	Lecture		(CIS 406)	
CIS 408	Cloud Security Risk Management Practicum II	3	Continuing in the virtual practicum/internship focusing on the integrated enterprise/cloud system, students develop the capability to evaluate system security, analyze system assessment reports to make recommendations for a Plan of Action & Milestones, comply with all Authorization to Operate package requirements, and strategically develop Information System Continuous Monitoring (ISCM).	Lecture		(CIS 407)	
CIS 409	Cloud Security Vulnerability Management	3	Utilizing COTS tools, students assess and analyze enterprise/cloud system vulnerabilities; conduct controlled exploitation; and communicate an effective remediation plan.	Lecture		(CIS 408)	
CIS 410	Data Warehousing and Business Intelligence	3	The course introduces students to the concepts, techniques and major activities involved in data warehousing for business intelligence. The first part of the course lays the foundation for understanding guidelines for modeling and designing data marts and online analytical processing data cubes. The latter part of the course requires students to develop data structures, employ extract-transformation-load logic to heterogeneous data sources, and explore reporting and visualization solutions. Students apply the techniques learned using commercial data warehousing tools.	Lecture		(CIS 400)	
CIS 420	Data Mining and Predictive Analytics	3	The course introduces data mining concepts and tools to enhance managerial decision making. In the first part of the course students learn the Cross-Industry Standard Process for Data Mining (CRISP-DM) and apply it to set up workable models and datasets. In the second part of the course, students explore various statistical techniques such as linear and logistic regression, in addition to decision trees and clustering. Association rules are also reviewed. The course concludes with the application of data visualization techniques and tools to represent business scenarios.	Lecture		(CIS 103 AND MAT 200)	
CIS 425	Mobile Applications and Frameworks - Android	3	In this project-based course, students will investigate the issues surrounding application development for Android platforms. This includes addressing specific techniques for building applications that account for the ways in which mobile apps differ from traditional desktop or web-based apps, including: constrained resources, small screen sizes, varying display resolutions, intermittent network connectivity, specialized sensors, and security restrictions. We will also look at best practices for making mobile applications flexible: using HTML and XML-based layouts, managing multimedia, storing user data, networking viz NFC, Bluetooth, and WiFi, determining device location and orientation via position sensors, deploying applications, and gracefully handling shutdowns and restarts to the application. Finally, we will explore embedding web components in applications, showing maps with the Google Maps plug-in, and storing local data with SQLite.	Lecture		(CIS 222)	
CIS 427	Mobile Applications and Frameworks - iOS	3	This course will address application development on iOS Platforms starting with a review of the main languages for iOS: Objective C (the old language) and Swift (the new language), along with an introduction to the available tools such as Xcode, Interface Builder, and Swift Playgrounds. We will address designing apps for usability using prototyping and concepts from human-computer interaction as well as designing for efficiency and performance, given the platform. The primary frameworks currently in use will be introduced, including: CoreData, SpriteKit, SceneKit, MapKit, and Notifications, among others. Finally, after a number of app development projects, students will prepare the app for deployment, considering Localization and Internationalization, Accessibility, and iTunes Connect. By the end of the class, students will also understand the process of publishing apps to the App Store.	Lecture		(CIS 222)	

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CIS 450	Software Finance, Metrics and Cost Estimation	3	This course focuses on IT product and service selection based on financial considerations including return on investment, time cost of money, depreciation, and system life. It includes key measurements for software development and project management, and a methodology for selecting the best measurements. Integration of information technology is an economic concern to the organization considering new information technologies. This course centers on these fundamental financial integration considerations, then addresses key measurements needed for software development and maintenance projects. This course is quantitative in nature.	Lecture		(CIS 404 AND FIN 201)	
CIS 496	Information Technology Management Capstone	3	In this project-based course, students will propose a project management-oriented project, either based upon or acting upon a real software system development effort, demonstrating what they have learned during the Information Technology Project Management concentration, and throughout the B.S.I.T. program. Students will manage a portion of a large project, or an entire smaller project of their choosing with instructor approval.	Lecture		(CIS 404)	(CIS 450)
CIS 497	Solution Development Capstone	3	This project-centered course applies conceptual and technical knowledge acquired over the entire program of study to develop an IT-based solution for a specific problem, organizational need or case study. Students apply planning principles, design and implementation techniques to bring about the solution, some aspects of which may be in prototype form. A requirement of the course is to produce a tangible deliverable that can be demonstrated, presented or applied to the situation in question. This course should be taken as the last course in the concentration.	Lecture	Credits/Hours Required 100.00/0.00		
COM 102	Mass Media	3	This course will provide students with a general overview of Mass Media. The course provides a comprehensive understanding of the history, theory, terminology, technologies, and practice of mass media both locally and globally. Emphasis is placed on print media (newspapers, magazines, journalism) and audiovisual media (radio, recording, television, film, and computers). Students will gain a greater understanding of the pervasive role of the media in their lives and the society in which they live.	Lecture			
COR 101B	The Art and Science of Learning	3	Using The New Science of Learning as its textbook, this course will introduce students to the idea that they are embarking on the pathway to lifelong learning. The important topics of self-care and looking at the learner as a whole being will be a focus. The course will also include nuts and bolts tips for student success during their college educations. New fulfillment: CSS 101, CRE 101, FYE 101	Lecture			
COR 102B	Reading Writing & Crit Thinking in Mediated World	3	Reading, Writing, and Critical Thinking in a Mediated World In this course, students develop analytical and writing skills while exploring the major media we interact with today. Students will be introduced to brief histories of media and, by way of reading and writing, think critically about their consumption of, and interactions with, the content travelling across media platforms. Through close analysis of selected readings, students will develop the research and compositional skills necessary for strong academic work as well as an understanding of mediated realities and its impact on communication. Pre-requisite Requirements: ENG 101, ENG 111 or English Placement Test New fulfillment of: ENG 102, ENG 125 Equivalent: COR 102, COR 102A, COR 102B	Lecture	Test Optional Rule: 1(Min Required:1 English Placement (Score) >=102	(ENG 101 OR ENG 111B)	
COR 103B	Integr SocSci: The Problem of Inequality in American Life	3	This topics course will prepare students to better understand the significance of their lives within the historical, political, and economic situations in which they live. Students will examine their individual experiences within the larger society and explore the connections between individuals, organizations, societies, and cultures. Theoretical and applied principles and themes from several disciplines, including psychology, sociology, history, political science and economics will be included. New fulfillment: Lower 101 level - Social Science	Lecture			
COR 104B	Thinking Mathematically	3	A college level math course designed for all students outside Bay State's IT and calculus-dependent MGMT programs, this course will help students to see mathematical concepts as they manifest in our daily lives. From the odds of winning the jackpot in a lottery to the on base percentage of one's favorite baseball player, we are immersed in numbers and mathematical calculations. This course will help students to connect college level math to activities we engage in daily. Other topics covered will include proportional reasoning and modeling, logic, consumer math, and probability. Pre-requisite Requirements: MAT 098 or Math Placement Test New fulfillment of: MAT 104 (Information Technology and Management programs are not applicable)	Lecture	Test Optional Rule: 1(Min Required:1 Math Placement (Score) >=104	(MAT 098)	

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COR 105B	Communication Skills for the 21st Century	3	Words are generators of emotion and language is a record of our cultural history. Language and the words they are built upon have the power to move us, divide us, and empower us if their power and purpose are understood. This course will introduce students to the complexity and importance of language as well as provide them the skills to apply it in our modern modes of communication. Particular emphasis will be placed on technology platforms that have fundamentally changed how individuals communicate both personally and professionally. This course also includes an introduction to mediated interpersonal and professional communication, web design, public speaking, and presentation skills, requiring students to demonstrate proficiency as effective communicators and critical listeners. New fulfillment of: COM 101	Lecture			
COR 106B	Divided America: A Scientific Exploration	3	Americans find themselves living in a divided country that, in part, can be traced back to cultural differences that tend to manifest in America's urban and rural areas. Over the past fifty years, this cultural divide has moved beyond the quaintness of small towns versus the bright lights of the city to fundamental divisions associated with core values, lived experience, world-views, and information eco-systems. This course will explore America's current divisions through a social science lens, beginning with an introduction to the principles and techniques of social science research. Students will learn the role of theory and ethics in the social science research, as well as the difference between qualitative and quantitative data, how research studies are designed, and how to critically evaluate social science research. Students will then conduct a collaborative research project using social science methodologies on a problem related to this concept of a "divided America".	Lecture			
COR 201B	Global Citizenship and Living in a Just World	3	This course will begin by introducing students to normative ethics which is the study of how we can determine right from wrong. This will include the question of why we should be moral and, assuming we should, theoretical frameworks through which we can evaluate our most pressing moral questions. Students will apply concepts learned to contemporary issues at the local, national, and international level with the overall goal of establishing what a Just World might look like and if it can be achieved. The course will advance by moving to the question of Global Citizenship and consider citizenship as a theoretical concept without application to any specific country, and then move to the question of what it means to be a citizen of the larger multinational, multicultural world in consideration of our understanding of morality. New fulfillment of: PHI 201, POL 101	Lecture			
COR 202B	Design Thinking	3	In our modern world, innovation has become the key to both advancing the potential of our society and overcoming inevitable challenges that are faced. This course will invite students to take a systematic approach to innovation and problem solving to challenges in business and society. Students, individually and in groups, will engage in project-based learning, requiring them to collaborate with others in solving increasingly complex problems. Utilizing Apple and Steve Jobs as a case study, particular focus will be placed on product and social change innovation utilizing human centric analysis, prototyping, sketching, and paradigm shifting.	Lecture			
COR 203B	Pathways to Career Success	3	Human work dates back to our earliest history and is tied to the foundations of our major religions and the development of Western Civilization. The concept of work initially revolved around the idea of securing basic human needs and promoting human dignity. In our modern world, work has become something more as we have moved from jobs to careers which take us beyond the ideal of basic human dignity towards work being a critical part of one's identity and world view. We will explore the concept of work, its historical development and modern transformations, with the overarching goal of aiding students in identifying what is the right path for them. Finally, this course will provide an opportunity for students to think critically about the choices they make on the pathways to achieving career success. New fulfillment of: Internship seminar 299S-499S and Internship 299-499 *Advisor Approval Required	Lecture			
COR 300B	The Good Life	3	This course will seek to explore the complex divide between existing and living. Aristotle termed this Eudaimonia which means human flourishing and he described it as the pursuit of enduring happiness, authentic love, and wisdom. Although most have agreed human flourishing or living the good life should be the ideal, we have found it difficult to achieve and, more recently, found it under attack by our increasingly technological world. In this course, students will explore the historical underpinnings of this ideal of The Good Life with particular focus on mental, physical and spiritual health and wellness. Students will also be introduced to avenues to new awareness including meditation, mindfulness, and colloquy. New fulfillment of: PHI 101	Lecture			

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CRI 101	Introduction to Criminal Justice	3	This course examines the United States criminal justice process from law enforcement to the administration of justice through corrections. It discusses the history and philosophy of the system and introduces various career opportunities. Additionally, this course will provide a background for more in-depth study in later Criminal Justice courses.	Lecture			
CRI 102	Criminal Law	3	This course studies the general principles of criminal liability, including the justification of punishment, general concepts fact and fault, principles of justification and excuse, the significance of resulting harm, and accountability for acts of others. Certain specific crimes, such as murder and manslaughter, are also examined.	Lecture		(CRI 101)	
CRI 104	Introduction to Cyber Security and Risk Management	3	This course will introduce students to the technologies, processes, and practices that are utilized to protect computer devices, data systems, and information from theft and/or attack. Additionally, students will be introduced to the fundamentals of vulnerability analysis, mitigation, and related components of risk management in the computer age.	Lecture			
CRI 106	Introduction to Security	3	This course is designed to introduce students to the fundamental principles of physical, personnel, information, industrial, national and homeland security. Particular emphasis will be placed on historical development, current technologies and approaches as well as future challenges. This course will lay the groundwork for more in-depth examination of the topic areas in the upper level security courses.	Lecture			
CRI 110	American Court Systems	3	This course focuses on the dynamics of the courthouse (Juvenile, Appellate, Federal, and State). It will examine the procedural requirements for judicial processing of criminal offenders, concepts of evidence sufficiency, standards of proof, due process, and constitutional safeguards.	Lecture		(CRI 101)	
CRI 202	Corrections	3	This course introduces students to the profession, industry, and academic discipline of corrections. It presents how the correctional system really works as far as the operation of corrections in the United States. It focuses on the structure of correctional systems, the operations of correctional institutions and programs, the evolutionary and political development of corrections, and the goals of corrections in today's society. Job opportunities in corrections are explored throughout the course.	Lecture		(CRI 101)	
CRI 203	Function of Police in Modern Society	3	This course examines the police role and law enforcement policy in the total justice process. Police organizations, personnel issues, management and operations, as well as coordination and consolidation of police service, police integrity, and community relations are covered.	Lecture		(CRI 101)	
CRI 204	Civil Rights and Liberties	3	The protection of individual rights under the Constitution with emphasis on the Bill of Rights and the Due Process and Equal Protection Clauses are covered in this course. Specific topics to be discussed are rights of the defendant, racial discrimination, sex discrimination, and Congressional protection of civil rights.	Lecture		(CRI 101)	
CRI 205	Criminal Investigation and Procedure	3	This course focuses on the Fourth, Fifth, and Sixth Amendments, the right to be free from unreasonable search and seizure, the privilege against self-incrimination, and the right to counsel. The need to protect the public and enhance law enforcement efficiency and individual defendants from abuse at the hands of the state will be examined.	Lecture		(CRI 101 AND ENG 101) Or (CRI 101 AND ENG 102)	
CRI 206	Fundamentals of Computer Crime	3	This course will provide students with the foundational components of computer crime including historical development of laws and legal principles that have developed in response to the computer age in our society. Additionally students will explore the unique criminal justice challenges posed in policing a virtual world and agencies that have been charged with this oversight.	Lecture		(CRI 104 AND ENG 101) Or (CRI 104 AND ENG 102)	
CRI 208	Juvenile Justice	3	This course is designed to introduce students to the origin and development of the juvenile justice system, specifically the juvenile court. Emphasis is placed upon laws, juvenile offenders and police involvement, diversion programs, detention, adjudication, after care, foster homes, non-delinquent children in the justice system and juvenile gangs.	Lecture		(CRI 101)	
CRI 209	Homeland Security	3	This course introduces students to the fundamental components of Homeland Security. It includes consideration of domestic and foreign terrorism, the roots of anti-American sentiment in the world, 9/11, the measures taken after 9/11 and the USA PATRIOT ACTs I and II. The role, structure and positions within the Homeland Security Department will also be explored, focusing on career opportunities for graduates.	Lecture			
CRI 210	Communications in Criminal Justice	3	This course will introduce students to both forensic communication techniques and general communication standards within the various fields of criminal justice. This course will provide students with practical skills in reading body language, lie detection, forensic interviewing, criminal interrogation and the mechanics and science of report writing. This course will focus, specifically, on the latest science in the field of forensic communications, practical applications in the field, standards for admissibility in judicial settings as well as moral and ethical considerations.	Lecture/Lab		(CRI 101)	

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CRI 214	Physical and Personnel Security	3	This course is designed to introduce students to the principles of physical security within the context of specific operations and facilities. Planning, design, and modern security techniques and devices will also be covered.	Lecture		(CRI 106)	
CRI 217	Forensics	3	This course focuses on the scientific methods applied to the gathering and preservation of criminal evidence as well as the role of the forensic scientist. It includes such topics as forensic photography, trace evidence, ballistics, bloodstain pattern analysis, toxicology, tool marks, footwear marks, tire marks, hair and fiber analysis, serology, instrumental analysis, forensic pathology and odontology. The course will cover extraction, amplification and profiling of nuclear and mitochondrial DNA.	Lecture		(CRI 101)	
CRI 218	National Security and Intelligence Investigations	3	This course will introduce students to the United States Intelligence Community and the role the member organizations play in intelligence gathering operations and the maintenance of national security. Students will examine human, technical and counter intelligence activities and learn how investigations are conducted to identify and neutralize threats to national security.	Lecture		(CRI 101)	
CRI 220	Examining the CSI Effect	3	In this course, students will have the opportunity to explore the emergence of criminal justice-based entertainment in the United States from the late 1800's to today, and examine the effects modern influential phenomenon-such as the CSI Effect, criminal 'edutainment', and media sensationalism-have had on jurisprudence in the United States. Students will explore these phenomena's combined impact on the criminal justice system by evaluating televised fictional representations, delving into infamous landmark cases, critically examining documentaries, working with assigned texts, and engaging in written assignments.	Lecture		(ENG 102)	
CRI 299	Criminal Justice Internship	2	A professional internship or equivalent professional project of at least 120 hours is required for Criminal Justice majors. Students will create and execute an internship plan that is appropriate in consideration of their previous work history, skills, and future career aspirations.	Externship/Internship			
CRI 299S	Criminal Justice Internship Seminar	1	The criminal justice internship seminar is designed to provide students with the opportunity to bridge the gap between classroom knowledge and the business world. This course prepares students for obtaining a supervised internship or related professional project. In preparation, students will strengthen professional, interpersonal, and work performance skills, develop an understanding of professional behavior and ethics, utilize computer and related business skills, and obtain a networking opportunity and/or employment.	Externship/Internship			
CRI 301	White Collar and Cyber Crime	3	This course will focus on two unique areas of crime that pose particular challenges for the security and law enforcement professional. These crimes are often committed by individuals, groups and, at times, corporations that are considered respectable and sometimes elite members of our society. This course will examine topic areas such as financial fraud, embezzlement and computer hacking as well as current trends and technologies associated with information security.	Lecture		(CRI 101) And (CRI 102)	
CRI 304	Victim's Rights	3	Students will explore the history of the victim's rights movement and the legal rights of victims in the criminal justice system. Students will examine the experiences of victims in the criminal justice system. The services needed by, and available to, victims will be discussed.	Lecture		(CRI 204)	
CRI 305	Incarceration, Rehabilitation, and Reentry	3	The goal of this course is to familiarize students with theoretical models of recidivism and rehabilitation. Reentry initiatives at the federal, state and local levels will be examined. Students will critically evaluate reentry programs and policies. Students will explore the challenges facing offenders as they reenter society after incarceration. Special issues faced by released offenders, including mental health, substance abuse, employment and socioeconomic issues, will be examined.	Lecture		(CRI 101 AND CRI 202)	
CRI 306	Power and Force in America	3	One of the greatest challenges in a democracy is the balance of power and the exercise of force. As participants in a democracy our interactions with government and each other are defined by power relations and the reality that some will hold more power than others and have obligations to exercise that power by way of force to keep the democracy strong. Power relations, however, invite conflict and questions associated with how power is acquired, shared, and exercised. Criminal Justice students will be considering careers that will place them at the center of these power relations and in many cases give them the authority to exercise force on behalf of the government. This course will provide students with the ability to evaluate the realities of these career positions within a framework of power relations.	Lecture	Credits/Hours Required 45.00/0.00		
CRI 312	Criminological Theories	3	This course examines the major criminological theories and their origins. Students will critically analyze the theories, study the research related to the theories, and evaluate policy decisions that are based on these theories.	Lecture		(CRI 101) And (SOC 206)	

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CRI 316	Sustainable Justice	3	The United States currently ranks first relative to the number of individuals incarcerated per capita. This status has led many to ask whether our current criminal justice processes and the associated levels of incarceration are sustainable over the long term. This course will explore the fundamental concepts of, and recent movement towards, building a sustainable approach to social and criminal justice. Particular emphasis will be placed on the question of which criminal justice approaches hold the most promise to deliver both national and global sustainable justice.	Lecture		(CRI 101 AND ENG 102)
CRI 322	Gender and Crime	3	This course will examine offending and victimization patterns of women in the United States. Treatment of women in the justice system, as offenders, victims, and criminal justice professionals will also be explored.	Lecture		(SOC 101 AND SOC 207)
CRI 401	Quantitative and Qualitative Data Analysis	3	This course will provide students with an introduction to use of standard statistical software used to conduct analysis of criminal justice data. Students will learn how to assess quantitative and qualitative data, and how to present findings from research.	Lecture	Credits/Hours Optional 60.00/0.00 Test Optional Rule: 1(Min Required:1) Math Placement (Score) >=160	(MAT 104) Or (MAT 160)
CRI 402	Applied Ethics in Criminal Justice	3	In this course, students will explore ethical decision making in the context of law enforcement, courts, private security and corrections. Students will apply various codes of ethics, including the American Bar Association Standards of Professional Responsibility, American Jail Association Code of Ethics, the American Correctional Association Code of Ethics, International Association of Chiefs of Police Code of Ethics, the ASIS Code of Ethics, and the ethical code of the Academy of Criminal Justice Sciences to different factual scenarios. The relationship between law and ethics will also be explored.	Lecture		(CRI 101) And (SOC 207)
CRI 405	Mobile Digital Forensics	3	This course will provide students with comprehensive training in the use of MSAB's XRY mobile digital forensics platform. Particular focus will be placed on maintain integrity in the data extraction process, creating a forensic audit trail, documenting chain of custody, secure reporting, and presenting digital evidence in court. Upon successful completion of the course, students will receive a three year certification by MSAB in Mobile Digital Forensics. Please note that there is an additional fee for this course.	Lecture	Credits/Hours Required 60.00/0.00	
CRI 422	Comparative Criminal Justice	3	This course will explore different criminal justice systems throughout the world. Students will compare various systems on different political, legal, social and global factors. Students will also contrast crime rates among selected countries.	Lecture	Credits/Hours Required 60.00/0.00	(CRI 101) And (ENG 102)
CRI 425	International Justice and Human Rights	3	Throughout history we have been faced with the reality that, internationally, there is disagreement as to what constitutes justice and which human rights, if any, should be universal. These disagreements are tied to differences in culture, religion, law, economics and systems of justice. This course will explore this area and the many organizations that combine to pursue international justice and universal human rights.	Lecture		(ENG 102 AND SOC 101)
CRI 450	Criminal Justice Senior Seminar	3	This capstone course in criminal justice will incorporate materials from earlier courses. Theoretical issues and current topics in criminal justice will be explored. Students will integrate ethics, law, statistics, public policy in a final research project that the students will present as a paper and presentation. Requires permission of the Criminal Justice Program Chair.	Lecture		(RSC 201)
CRI 499	Criminal Justice Internship II	3	This upper level course will build upon skills developed in the student's earlier internship/professional project and courses. Students will conduct 120 hours at a criminal justice internship site in the private or public sector or a related professional development experience. Students will learn about informational interviews, explore potential job opportunities, and develop their job interviewing skills.	Externship/Internship		
ECO 101	Microeconomics	3	This course examines the economic problems of the household, the firm, and the individual industry. Principles are developed to explain household consumption decisions, along with firm and industry production decisions. Topics include perfect competition, monopoly, and the government's role in economic welfare.	Lecture	Test Optional Rule: 1(Min Required:1) Math Placement (Score) >=160	(MAT 104) Or (MAT 160)
ECO 102	Macroeconomics	3	Emphasis is placed on issues relating to the level of output, employment, income, and inflation. Topics include international trade, money, the federal budget deficit, the labor force, and comparative economic systems.	Lecture	Test Optional Rule: 1(Min Required:1) Math Placement (Score) >=160	(MAT 104) Or (MAT 160)

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ECO 103	History of Economic Thought	3	This course provides a broad account of economic ideas from ancient times to the present, and gives the student powerful insight into the historic contributions which have helped shape contemporary economic theories.	Lecture	Test Optional Rule: 1(Min Required:1) English Placement (Score) >=101	(ENG 099A) Or (ENG 101) Or (ENG 102)	
ECO 104	The Global Economy	3	This course focuses on the advent of the Global Economy, its political, social, and cultural implications. It addresses its positive and negative aspects, as well as the ways that this phenomenon is perceived at home and in the various parts of the world.	Lecture	Test Optional Rule: 1(Min Required:1) English Placement (Score) >=101	(ENG 099A) Or (ENG 101) Or (ENG 102)	
ECO 270	Economics and Finance in Healthcare	3	The course is designed to impart a practical understanding of introductory economic and financial management concepts, techniques, and vocabulary as they apply to health care organizations. Students will gain an appreciation for the roles of financial and cost-based approaches to strategic management of all types of entities within the medical field.	Lecture			
ENG 099A	Basic English for College	3	This course is for students who have demonstrated a need for more focused work in the fundamentals of grammar, composition, and reading based on the English placement exam administered upon entry to Bay State College. Students focus on punctuation, grammar, reading comprehension, and writing skills. A minimum grade of C- is required in this course in order to register for English I.	Lecture			
ENG 111B	Modes of Writing in the 21st Century	3	In this course, students will develop the writing, analytical and grammar skills necessary for producing the kind of writing they will need to be successful at the college level and beyond. Students are introduced to various rhetorical modes through analysis of selected readings. Students are expected to apply the methods and techniques used in these models in their own compositions through individual practice and collaborative activities. Basic principles of evaluation and documentation of source material will be covered. Pre-requisite Requirement: ENG 099 or English Placement Test Equivalent: ENG 101	Lecture	Test Optional Rule: 1(Min Required:1) English Placement (Score) >=101	(ENG 099 OR ENG 099A)	
ENG 206	Writing and Cultural Diversity	3	In this course, students read, analyze, and write about the literature of historically underrepresented groups (including, but not limited to, African American, Latino/a, Caribbean, Native American, Asian American, and LGBTQIA), as well as writings by and about populations traditionally defined by class, religion, ability, gender, and sexuality. In addition to weekly reading responses, students will complete several reflective and/or expository essays, and they will produce a college-level research paper.	Lecture		(ENG 102)	
ENT 102	Introduction to the Music Industry	3	This course focuses on music entertainment career opportunities. It will include how to work with artists, producers, engineers, managers, promoters, artist managers and songwriters. Students will be introduced to club and venue management including concerts, nightclubs and booking agencies as well as to the day-to-day operations of a modern recording studio business. Class topics will also explore artist and music management including marketing, promotion, financial analysis, music production and the legal aspects of the music industry.	Lecture			
ENT 105	Sports Entertainment	3	Students will explore all aspects and venues associated with the sports entertainment industry. The course will also focus on the marketing of sports, the role of media and sports, sports and the entertainment complex, the financing of sports teams and stadiums, the growth of women's sports and the significance of international sports.	Lecture			
ENT 106	Venue Management	3	This course introduces the students to the functions, procedures and systems necessary to plan, develop, operate and maintain indoor/outdoor performance entertainment venues, such as a club, a sound stage, or a theater. Emphasis is on the importance of the venue manager's role in maintaining the physical plant and grounds for maximum safety, comfort, and profitability. Requirement: Proof of COVID Immunization	Lecture			
ENT 110	The Business of Music	3	This course will provide an overview of common business practices, goals and strategies of the music industry. Students will analyze and discuss theoretical and practical concepts pertaining to how the music business works in financial, legal, global, and artistic terms. Students will explore a variety of key business skills (finance, leadership, organizational management, marketing and entrepreneurialism) as applied to essential music industry management and apply common business practices to the field which includes live performance, touring and booking, copyright, music publishing, and the recorded music industry as well as their related companies.	Lecture			

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ENT 200	The Film and Television Industry	3	This course will examine the film and television industry from the perspective of the producer. Students will explore how producers put together film and television productions, from inception to exhibition, focusing on the stages of production (development, pre-production, production, post-production, distribution and exhibition) and the various distribution outlets available for film and television, including both domestic and international markets. Students will explore a variety of legal, financial, management and accounting practices currently used by the film and television industry.	Lecture			
ENT 210	Concert Promotion Management	3	The focus of this course is to address the promotion needs of all live music concerts at different venues, from the initial planning stages to follow-through after the concert. Live music concerts from small shows to large arena productions will be examined for similarities and differences in their promotion needs at each stage of the development process. This course will address recognizing specific needs for live music concert promotion and troubleshooting for problems throughout process. Students will work collaboratively on student-generated and student-run live music concerts at a professional venue as part of their overall grade.	Lecture			
ENT 220	CAD Design for Entertainment	3	This course is an introduction to the operation and application of computer-aided drafting and design utilizing Auto CAD software. Students will understand the principles of CAD design as it relates to stage, lighting, sound, and venue design utilizing drawing and editing commands that are implemented into class projects.	Lecture			
ENT 240	Introduction to Lighting	3	This course is an introduction to lighting principles, instruments, colors, electrics, control boards, graphics, and conventional techniques used in theatrical and concert lighting.	Lecture			
ENT 250	Artist Management	3	This course is focused on the management of musical artists. Topics include (but are not limited to): management style, business relationships, setting up a management company, career planning for artists, publicity for artists, budgeting and identification of the potential sources of revenue in artists' careers - via recording, touring, publishing, sponsorships, merchandise, etc. Through analysis of contracts used between artists and managers, students will explore basic negotiation techniques and the typical deal points in such agreements.	Lecture		(ENT 102)	
ENT 260	Corporate A/V	3	This course will offer an introduction to corporate Audio Visual and Event Technologies. Student will utilize current technology to move beyond the world of concert production and incorporate AV services in corporate settings including staging, projection, visual components, exhibition, networking, and corporate training.	Lecture			
ENT 299	Entertainment Internship	2	This course is designed to have the student apply the knowledge obtained in the classroom to a work situation in their field of study. The student will work at an approved site and create a portfolio that will include a journal reflecting the student's experiences; a list of publications and web-sites that pertain to their profession; an interview with a management person within the organization; a completed professional resume and cover letter.	Externship/Internship			
ENT 299S	Entertainment Internship Seminar	1	This seminar course prepares students with Sophomore standing for the process of researching, skill marketing, and securing internships in the Entertainment industry. Students meet weekly to work on their self-marketing materials (resume, cover letters, and mock interviews) and to research key entertainment industry positions. Students are expected to secure, with departmental approval, an appropriate internship for the following semester.	Lecture			
ENT 300	Music Industry Marketing and Promotion	3	This course will explore the principles, applications and ethics of marketing and promotion as it applies to the music industry. Students will study case studies of marketing for emerging, midlevel and established artists and their recordings, tours, merchandise, etc., and explore how companies in the music industry plan and execute promotional campaigns for radio play, live concerts, and album releases. As part of this course, student will design, research and develop their own marketing campaigns for a musical artist.	Lecture		(ENT 102 AND MKT 210)	
ENT 301	Entertainment and Services Marketing	3	Entertainment and Services Marketing is designed to provide students with the ability to analyze and solve complex and current entertainment business and marketing problems through the use of case studies. Students will study the marketing initiatives of select entertainment content producers and professional sports teams and associations and their effectiveness in reaching marketing goals. This course requires students to exercise critical thinking and creative problem-solving skills in real life entertainment business situations.	Lecture		(ENT 102 AND ENT 110 AND MKT 210)	
ENT 320	Tour Management	3	This course will provide an extensive overview of Tour Management as it relates to the commercial music industry. It will explore the role of the Tour Manager and how they function as a unique part of an Artist Management team. This course will cover everything from the conception to the conclusion of touring including routing, budgeting, hiring personnel, marketing and advertising, accounting and settlements, tour support services, and dealing with issues and problem-solving on the road.	Lecture		(ENT 210)	

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ENT 335	The Recorded Music Industry	3	This course focuses on various aspects of the recorded music industry. It will include information on the inner workings of record labels, major labels, independent labels, recording contracts, the recording process, careers in the recording industry, and the day-to-day operations of a modern recording studio business. Students will be introduced to the history of record labels, the present state of record labels in today's music industry, and what the future holds for these companies. Class topics will also explore marketing, promotion, financial analysis, working with artists and producers, and the legal aspects of the recorded music industry.	Lecture		(ENT 102)	
ENT 350	Concert Production Management	3	Concert Production Management will focus on the producing and managing of concerts, in both large and small venues. In addition to issues of event management, contracts and riders, union regulations and public safety issues, students will explore the technical requirements of common lighting, staging and audio techniques necessary to bring a concert to a successful conclusion. Topics will include designing lighting plots, audio set-ups, and setting up and breaking down staging.	Lecture/Lab		(ENT 102 OR ENT 110) And (ENT 106)	
ENT 353	Film/TV Production Management	3	This course examines the behind the scenes decisions that a production manager makes when producing for film, television, and theater. The focus is on the business skills and knowledge needed to plan, fund, and execute a production. Although some of the topics covered will involve the technical equipment used in a production, it is not a studio based course and no filming or editing will be required. Topics include planning and finance, hiring cast and crew, task description, personnel assessment, operation and evaluation.	Lecture/Lab		(ENT 200)	
ENT 400	Entertainment Management Practicum	3	This course involves hands on instruction in putting together an entertainment production. Bachelor students will take an active part in planning, managing and promoting a peer- based production, an individual production and a Bay State sponsored production. The course will develop and reinforce skills that students acquire through their prior course work, including internships.	Lecture/Lab		(ENT 350)	
ENT 425	Copyright and Music Publishing	3	This course is focused on the music publishing industry. Students will explore the various sources of revenue from the sale of music in the areas of recordings, film, commercials, television, print, digital, ringtones, video games, Broadway shows and foreign uses and how the placement of music in these venues is facilitated. Through analysis of contracts used between publishers and songwriter, students will explore basic negotiation techniques and the typical range of income for such publishing opportunities. The course will review students' knowledge of copyright for music and sound recordings. Students will also explore the following topics: A&R functions of a publisher, royalty computation, current issues, and how to start their own music publishing business.	Lecture		(LAW 140 AND MAT 104) Or (LAW 140 AND MAT 160)	
ENT 495	Senior Seminar & Projects	3	Senior Seminar & Projects is a capstone course and is taken in the last semester of the Bachelor student's program. The students will use all previously acquired Entertainment Management course knowledge to evaluate critical business decisions for their fields of interest, and in doing so, create their own model business entity. Each Bachelor student will present their progress weekly and share their insights and suggestions with their peers. Note: Bachelor students and juniors with permission of the Department Chair.	Lecture			
ENT 499	Entertainment Management Internship II	3	This higher level internship course builds on the skills and experiences acquired by students in both their class work and their prior internship, but would require the students to focus on specific EM disciplines such as marketing, management, promotion, etc., distinguishing it from the more generalized ENT299. Note: BS students only.	Externship/Internship		(ENT 299)	
FAD 101	Flat Pattern Design I	3	This course introduces students to the basic sloper and dart manipulation. Students visualize various designing and construction techniques while developing the basic concept types of skirt, bodice, sleeve, etc.	Lecture			
FAD 102	Flat Pattern Design II	3	In this course, students are exposed to advanced use of the master pattern. This course includes structure for sleeve and body styling, designs of collars, and the further development in the use of the slack sloper.	Lecture		(FAD 101)	
FAD 103	Clothing Construction	3	Clothing Construction stresses the basic professional techniques in the production of designers' first samples. Through this class, students gain insight into the relationship between creative design and quality of the finished product.	Lecture			
FAD 104	Clothing Construction II	3	In this course, students learn to custom-fit clothing, as well as the techniques of industrial construction, while developing design concepts.	Lecture		(FAD 103)	
FAD 105	Principles of Draping	3	This comprehensive course provides students with the fundamental principles in developing basic silhouettes by draping and pattern making techniques. Students will further explore the characteristics of drapability of fabric and its effect on the development of silhouette and style. An original garment is designed and executed in fabric based on the categories studied.	Lecture			

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FAD 120	Technical Design for the Fashion Industry	3	Students will learn the fundamental and advanced techniques specific to fashion design and merchandising using relevant software such as Adobe Photoshop and Illustrator. Course assignments emphasize digital design development sketching techniques, color stories, line planning, silhouette, and fabric design. Students will utilize these software programs to digitally produce innovative, cohesive individual collections based on various product categories. Work will be done individually and includes one-on-one support as well as group critiques.	Lecture			
FAD 210	Fashion Illustration/Portfolio Development	3	This course introduces students to the world of fashion art. Emphasis is placed on the creation of a lady's fashion figure and on the design of the clothing being shown. In addition, some attention is given to men and children figures. Classes consist of technical demonstrations, workshops, and individual guidance designed to assist students in developing their style.	Lecture			
FAD 230	Creative Fashion Design I	3	In this course, students will learn about the design process and how to bring their original ideas to fruition. We will study the elements of visual design such as line, space, color, pattern, and texture and how they are applied to fashion design. Students will learn fundamental construction skills and the design process. Throughout the course, students will learn how to use the basic slopers to develop patternmaking, and couture finishing garments translating their visual conceptions into finished three-dimensional pieces using both non-textiles and fabric. Students are responsible for the development of all designs that are to be fashion show ready.	Lecture		(FAD 102 AND FAD 104)	
FAD 232	Advanced Creative Fashion with Couture	3	Students develop more intricate designs into finished projects and emphasis is placed on personal interpretation of projects in couture design. This class is an advanced level fashion construction class. Students who have demonstrated an aptitude for working with intricate textiles are offered an opportunity for skill development beyond what is covered in Creative Fashion I. Students will work with a variety of fabrics and patterns and apply advanced construction techniques to design projects that would relate to figure analysis. Work will include completion of independent fashion projects in bridal or evening wear, and costume. Advanced applications such as hand embroidery, beading, ruching, corset making, and silk screen printing will be learned. The design and construction of specialty products (accessories) will also be explored. Students are responsible for the development of all designs that are to be fashion show ready.	Lecture		(FAD 230)	
FAD 301	Flat Pattern Design/Construction III	3	Students explore advanced construction and drafting methods for custom suit tailoring. Students learn design and construction of a tailored ensemble using traditional tailoring methods that include pad stitching, foundation shaping, special lapel and collar treatments and finishes.	Lecture		(FAD 231)	
FAD 310	Textile Design	3	Students learn to use Adobe Illustrator and Photoshop (CAD) to create original textile designs. Based on market trend research, students create digital designs for printed and woven textiles, using a variety of layouts, repeats, and color palettes. Color theory, as it relates to textiles, is emphasized. Students produce visualizations of their designs and printed presentations for their portfolio, as well as creating a garment using an original printed textile.	Lecture		(FAD 120 AND SCI 240)	
FAD 320	Wearable Art	3	This course will lead students through an exploration of the intersections between art and fashion, from the 19th century through the present. They will view, discuss, and analyze a variety of wearable artworks and their meaning, touching upon themes such as symbolism, identity, politics, commerce, history, and individual expression. In the studio component of this class, students will design, pattern, and construct two pieces of wearable art: a conceptual garment and a garment for performance. In this advanced level class, students will build upon the skills they have learned in Creative Fashion I & II, honing their patternmaking and construction skills and strengthening the concepts behind their designs.	Lecture		(FAD 231)	
FAD 495	Senior Fashion Project II	3	This course serves as the second semester of the two-semester capstone in the Design concentration for the BS in Fashion Merchandising program. Students will conceptualize, design, create, and present a series of garments to demonstrate their design concepts, project management, and technical skills.	Lecture		(FAM 490)	
FAM 101	Fashion Merchandising	3	This course presents basic theoretical and practical knowledge required to favorably commence a career in merchandising. The course emphasizes the consumer, financial planning, buying, and merchandising. Topics covered include consumer behavior, fashion elements, planning, fashion merchandising techniques and practices, negotiating, and information systems.	Lecture			
FAM 105	Contemporary Designers and Trends	3	This course provides an overview of contemporary designers, their inspirations and their place in the fashion industry. Topics covered include licensing, branding, design, and market strategies.	Lecture			

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FAM 107	Visual Merchandising	3	Students are introduced to the material, tools, and techniques used in visual merchandising. This background is reinforced with exposure to the work of leading professionals in the field. Emphasis is placed on giving students maximum opportunity to design and implement their own window and point-of-purchase displays. Concepts used in the design of posters, signage, sales environments, and exhibits are also explored.	Lecture			
FAM 110	Fashion Show Production	3	Producing a fashion show of professional caliber is the learning tool in this course. Students leave nothing to chance as they experience the creative, organizational, and promotional aspects of a major production. Students also learn to coordinate clothing and accessories to achieve a total look appropriate to the individual. Special attention is placed on problem solving and understanding the function of the professional coordinator.	Lecture			
FAM 120	Merchandise Marketing and Control	3	In this course, fashion and retail students acquire an understanding of the financial aspects of merchandise planning and management by learning the procedures for purchasing and pricing merchandise, planning inventory levels, formulating a six-month plan, and calculating sales projections.	Lecture	Test Optional Rule: 1(Min Required:1 Math Placement (Score) >=160	(MAT 104) Or (MAT 160)	
FAM 208	Creative Fashion Presentation	3	Based on the knowledge acquired in previous fashion classes, students prepare and present fashion information through shows, clinics and/or written communications. Presentations are based on researching, analyzing, and forecasting fashion trends.	Lecture		(FAM 101)	
FAM 245	Retail Operations/Strategies	3	This course examines the various approaches to retailing: a functional approach, which focuses on activities retailers must perform; an institutional approach, which describes the various types of retail establishments and their development; and a strategic approach, which concentrates on planning to meet objectives. The goal of the course is to assist students in becoming successful retail planners and decision makers who are able to successfully adapt to change.	Lecture			
FAM 255	Sustainable Fashion	3	Students examine the issues and consequences that face consumers, merchandisers, and designers as they adopt and develop sustainable fashion products. They questions are considered in the framework of people, processes, and environment, exploring systems and practices that impact the environment the least while benefiting people the most.	Lecture		(FAM 101)	
FAM 299	Fashion Merchandising Internship	2	This higher level internship experience is especially for students pursuing the Associate Degree in the Fashion industry. This course builds on prior class work and focuses on specific fashion disciplines.	Externship/Internship			
FAM 299S	Fashion Internship Seminar	1	This seminar course prepares students for the process of securing internships in the Fashion industry. Students meet weekly to compose cover letters, resumes, and thank you correspondence and to research potential internship positions.	Lecture			
FAM 312	Retail Product Development	3	Retail Product Development introduces the process of apparel development from idea generation to finished product. The major factors affecting the process such as globalization, technological innovation and ever-changing consumer demand are thoroughly examined. Students will understand how the technical and creative processes in apparel design are structured and managed in the context of a realistic business environment. Particular attention is given to the mastery of business planning and development, creative planning and management, technical design considerations and production planning and distribution.	Lecture		(FAM 101) And (MKT 210)	
FAM 315	Styling for the Fashion Industry	3	Styling for the Fashion Industry provides an in-depth look at personal style and the styling of individuals based upon their unique characteristics. Students will study the five fashion personality types, evaluate lifestyles that correspond to each fashion personality, and conduct style evaluations based on criteria for styling individuals, fashion magazine photo shoots, fashion shows, and trunk shows. As a hands-on course, students will be involved in closet and wardrobe evaluation, body type evaluation, and wardrobe selection factors.	Lecture		(FAM 101)	
FAM 316	Fashion and Social Media	3	This course is a study of the relevant relationship that social media has on the fashion and retail environment.	Lecture		(FAM 101 AND MKT 210)	
FAM 320	Applied Buying Practices	3	Applied Buying Practices launches students into the exciting role of being a retail buyer in the fashion industry using a unique application approach that takes students step-by-step through a real-life buying experience. This course walks students through the various steps a new buyer would take to complete a six-month buying plan and a merchandise assortment plan. Students analyze the buying function and the differences of buyers' responsibilities in various types of merchandising organizations as a means of studying the principles, procedures, and techniques practiced by merchandisers of fashion goods in determining what assortments to buy and which resources to select. This course examines how companies in different industries choose goals and strategically position themselves in the business environment.	Lecture		(FAM 120)	

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FAM 330	Case Studies in Fashion Merchandising	3	Case Studies in fashion Merchandising is designed to provide students with the ability to analyze and solve realistic business and merchandising problems as related to apparel and soft goods industries, primarily using the case method combined with group discussion and exchange of ideas.	Lecture		(MKT 210 AND FAM 101)	
FAM 410	Global Markets	3	Global Markets studies the interrelationship between retailers, suppliers and consumers in the global economy. Students will be exposed to international strategic planning concepts and growth strategies. The course presents examples and profiles of major international retailers, including their operational and competitive marketing methodologies. The specific criteria for international retailing success are examined and special attention is paid to the trade, cultural and environmental factors affecting global expansion.	Lecture		(FAM 101 AND MKT 210)	
FAM 490	Senior Fashion Project I	3	This course serves as the first semester of the two-semester capstone in the Design concentration for the BS in Fashion Merchandising program. Students will conceptualize, design, create, and present a series of garments to demonstrate their technical skills and convey their artistic visions under the close supervision of the faculty.	Lecture		(FAD 231)	
FAM 495	Senior Project in Merchandising	3	The senior project, a component of the final semester, is designed as an opportunity for students to demonstrate the ability to think and write critically about a retail business-related problem of the student's choice. Extensive, accurate, and timely research, as well as competent writing and independent analysis are emphasized. Note: Department Chair approval required.	Lecture			
FAM 499	Fashion Merchandising Internship	2	This higher level internship experience is especially for students pursuing the Baccalaureate Degree in Fashion Merchandising. This course builds on both class work and prior work experiences and focuses on specific Fashion Merchandising disciplines such as product development, global sourcing, retail management, and merchandising marketing.	Externship/Internship			
FAM 499S	Fashion Merchandising Internship Seminar	1	This seminar course prepares students for the process of securing internships in the Fashion Merchandising industry. Students meet weekly to compose cover letters, resumes, and thank you correspondence and to research potential internship positions.	Lecture			
FIN 201	Finance	3	The principle focus of this course is on decisions and actions that are undertaken in light of the firms' objectives. Certain key concepts and commonly used tools of financial analysis are developed. Included are such topics as ratio analysis and financial control techniques. This material provides a useful overview of finance, and the ideas and terminology developed here facilitate an understanding of all the other parts of the course. Topics to be covered include decisions involving working capital, long-term assets, sources and forms of long term financing, financial structure, and leverage and cost of capital calculations.	Lecture		(ACC 100) And (MAT 200)	
FIN 301	Managerial Finance	3	The principle focus of the course is on the decisions and actions that are undertaken in the light of the firm's business objectives. The course develops a strategic investment model to be used in borrowing, decision-making and evaluation. The course deals with strategic financing decisions and ends with the management of working capital.	Lecture		(FIN 201 AND ACC 110)	
FIN 303	Money and Capital Markets	3	This course examines how the banking markets work and international financial integration. There is an examination of different types of financial instruments, investments and the measuring of risk with each of the instruments. The course reviews how the Federal Reserve operates, how it makes policy decisions to change the market or controls the money supply.	Lecture		(FIN 201) And (ECO 102)	
FIN 401	Investments	3	Investments will explore various strategies and vehicles for money management, including equity, real estate and fixed-income investments. Students will become familiar with the major stock exchanges, portfolio theory, valuation and risk management.	Lecture		(ACC 110 AND FIN 201)	
FIN 405	Public and Nonprofit Finance	3	This course examines the financial and managerial implications of accounting, budgeting, fundraising, financial planning, and service provision for nonprofit organizations. Topics covered in this course include government and philanthropic funding, investment strategies, taxation issues, 501C3 status, and the special circumstances of endowed and membership-focused nonprofits.	Lecture		(FIN 201)	
GEO 100	World Geography	3	This course focuses on the geographic and social features of the Eastern Hemisphere including Europe, Asia, the Middle East, Africa and the South Pacific. It will provide a comprehensive study of the physical and human features of these areas and the interrelationship between them. Historical impact, climate, culture, customs, languages, and the impact of the political and environmental factors on major countries and cities in these areas will be covered.	Lecture	Test Optional Rule: 1(Min Required:1) English Placement (Score) >=101	(ENG 099A) Or (ENG 101) Or (ENG 102)	

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HIS 101	American History	3	A survey of U.S. History from the colonial period to the present, this course provides students with a look at the more significant events, issues, and ideas that have shaped the American republic. The course will also examine the issues and policies that currently influence the lives of the American people and the development of international relations. Students are encouraged to develop analytical and critical thinking skills with which they may better understand ongoing developments in American society.	Lecture	Test Optional Rule: 1(Min Required:1) English Placement (Score) >=101	(ENG 099A) Or (ENG 101) Or (ENG 102)	
HIS 106	History of Fashion	3	History of Fashion examines western fashion throughout world history. An overview of social, political, and economic forces that influenced fashion is conducted. Examination of current trends in designer clothing and their similarities and contrasts to previous eras provide clarity in understanding contemporary fashions, thus allowing students to become more competent merchandisers, designers, and consumers.	Lecture	Test Optional Rule: 1(Min Required:1) English Placement (Score) >=101	(ENG 099A) Or (ENG 101) Or (ENG 102)	
HIS 201	US History in the 20th Century	3	This course will survey major events in the history of the United States during the 20th century. Students will be introduced to different ideas, dynamic personalities, and changing trends in American culture. Emphasis will be placed on America's participation in the Vietnam War, the civil rights movement, and student activism on college campuses.	Lecture	Test Optional Rule: 1(Min Required:1) English Placement (Score) >=102	(ENG 101) Or (ENG 102)	
HOM 101	Hotel Operations	3	This course allows students to develop an understanding of lodging organizations and operations and the departmental functions at the property level. The interdependence of departments and their impact on the delivery of guest services is discussed in relation to the managerial roles of planning, organization, leadership, and controlling. Special emphasis is also placed on food and beverage management and operations as they relate to the hotel industry.	Lecture			
HSI 299A	Health Studies Capstone Experience	2	This course has a seminar component that will provide students with the tools needed to develop job search skills and eventually succeed in the workplace. A 120-hour Health Studies Internship or final professional project is also required. During the internship, the intern will observe experienced health care professionals at work in order to gain an understanding of the general background operations of a health care institution. The intern will, to an appropriate degree, interact with and provide services to patients and/or clients. All observations and experiences will be documented in a journal. The Internship Coordinator will assist the student in obtaining an internship however, the student is responsible for securing a placement. Students deciding to complete a final professional project will work with the Internship Coordinator to design, implement, and evaluate a plan to research an aspect of health care and/or related fields. This project may include shadowing professionals, attending industry conferences, interviewing industry professionals, etc. It is expected that the project will reflect a minimum of 120 hours of work.	Externship/Internship		(MED 102 AND MED 201B)	(MED 202BAND MED 151)
LAW 110	Business Law	3	This course introduces students to the basic legal concepts and principles of business law. It includes consideration of contracts, property partnerships, and corporations. The Uniform Commercial Code is covered in relation to sales, commercial paper, and risk-bearing devices. The case method is used in the application of the legal principles studied.	Lecture			
LAW 140	Entertainment Law and Ethics	3	This course focuses on the legal and economic perspectives of the entertainment industry. Students study the topics of intellectual property and proprietary rights, project development and production, talent and the guilds, distribution and financing, as well as ancillary rights and related issues. Students also closely analyze a range of contracts and are introduced to the art of negotiation.	Lecture			
LIT 200	Literature	3	In this course students analyze and discuss three major literary genres - short story, poetry, and drama. Students write several short critical responses and one analytical essay based on characters, themes, language, and/or structure of the literary works studied. The focus of the readings includes both classic and contemporary works by American, British, and European writers and may include Sophocles, Shakespeare, Henrik Ibsen, Arthur Miller, Lorraine Hansbury, William Faulkner, James Joyce, Flannery O'Connor, Ralph Ellison, James Baldwin, Raymond Carver, John Keats, William Wordsworth, Robert Frost, Emily Dickinson, Sylvia Plath, and Langston Hughes, among others.	Lecture		(ENG 102)	
LIT 211	The American Novel	3	This upper-division course traces the development of the American novel from Hawthorne to Morrison. The focus of the class will be on critical reading and writing, as well as placing the literature in a social and historical context. The class is both reading and writing intensive.	Lecture		(LIT 200)	
LIT 231	Drama	3	This course will introduce students to the basic elements of drama (plot, character, theme, points of view, symbolism, irony, tragedy and comedy) by exploring both classic and modern forms of drama. It will examine the role of drama in modern society (e.g., as social commentary or as a form of healing therapy for say, victims of abuse). It will also look at new forms of drama, both in the traditional (i.e., theatrical) mode such as types of performance art and the nontraditional mode, such as dramatic play in children.	Lecture		(ENG 102)	

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LIT 232	Mystery Story As Literature	3	This course is designed to introduce students to mystery/detective fiction as a separate genre of literature. Through the study of such concepts as point of view, characterization, the elements of voice, narrative time versus real time, pacing, plot, and the withholding of information from the reader (as well from the fictional characters), students will become familiar with mystery/detective fiction as a legitimate and enduring form of literature.	Lecture		(ENG 102)	
LIT 233	Science Fiction/Fantasy As Literature	3	This course examines the structures and conventions of the genre commonly referred to as science fiction. Over the course of the semester, students examine texts of various lengths in order to arrive at a clearer understanding of the evolution of science fiction literature, the major themes of the genre, and the writers who have contributed to establishing and defining this form of literature.	Lecture		(ENG 102)	
LIT 234	Disability in Literature	3	This course will explore how literary texts portray people with all kinds of disabilities--physical, emotional, social and mental. Studying disability in literature will help us to questions what our culture defines as "normal" and ask us to consider what makes us human. Literature can help us understand the experiences of the disabled, as well as understand our own responses to disability in our own lives and in our culture.	Lecture		(ENG 102)	
LIT 236	Short Stories of the World	3	"Oh, I have now a mania for shortness," wrote Anton Chekhov, one of the greatest short story writers. "Whatever I read - my own or other peoples works - it all seems to me not short enough." What makes a short story different than a novel? Is the short story just shorter? In this course students will read and analyze many of the most outstanding examples of this unique form of fiction from around the world. Authors may include Poe, Tolstoy, Chekhov, Flaubert, de Maupassant, James, Chopin, Joyce, Hemingway, Faulkner, O'Connor, Ellison, Borges, Cheever, Garcia Marquez, Updike, Monroe, Carver, and others.	Lecture		(ENG 102)	
LIT 311	The African American Novel	3	The purpose of this course is to broaden students' development of the African American novel, from Douglass' influential slave narratives and Chestnut's fiction, through the Harlem Renaissance, and to contemporary works by Toni Morrison and Ralph Ellison. Through close reading and consideration of historical and social factors, students will better understand the particular challenges of African American writers and their contributions to American literature as a whole. The class will emphasize critical reading and writing, as well as student participation.	Lecture		(LIT 200) Or (LIT 211) Or (LIT 213) Or (LIT 231) Or (LIT 232) Or (LIT 233) Or (LIT 234) Or (LIT 236)	
MAN 101	Introduction to Business	3	This course is designed to help students understand the current business community. Presently, business practices are being affected by many other countries because of their trade and business decisions. Emphasis is placed on how the global economy affects small businesses, corporations, labor unions, personnel practices, stock and bond markets, and budget and trade deficits. Upon completion of this course, students will have a greater understanding of, and interest in, business events, both nationally and worldwide. In addition, students will have a better grasp of future career opportunities available in the business world.	Lecture			
MAN 102	Management	3	This course prepares students for positions of managerial responsibility, an important aspect of which is responsibility for the action of other people. Emphasis is placed on the four functions of management: planning, organization, leadership, and controlling. Principles relating to decision-making, problem-solving, and interpersonal relationships are developed through group discussions and case studies.	Lecture			
MAN 105	Introduction to Entrepreneurship	3	This course explores the entrepreneurial process from conception to launch of a new venture and outlines managerial strategies for long-term success of new businesses. Students will learn to evaluate the market potential for new ventures, identify the relative merits of various ownership structures, and be exposed to the financial strategies for successful launches of new firms. Students will create a fully articulated business plan as a final project in the course.	Lecture			
MAN 205	Human Resources Management	3	This course allows students to develop an understanding of the role of managing human resources. The course explores the importance of recruiting, interviewing, testing, and effectively supervising salaried and hourly employees, negotiation skills, union relations, and performance evaluation. Additional information regarding compensation, benefits, and employee wellness programs are discussed.	Lecture		(MAN 102)	
MAN 240	Organizational Behavior	3	This course examines individual, group, and organizational behavior within various business settings in a culturally diverse workplace. Topics covered include management theory, communication, motivation, leadership, managing rewards, stress management, employee counseling, appraisal, employee disciplinary systems, conflict management, training, and organizational development. Throughout the course, students work individually and in teams on cases and business simulations.	Lecture		(MAN 102)	

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MAN 299	Internship	2	Students will complete a minimum of 120 hours on-site in a business internship or career-focused project approved by the Department Chair. Students will create and execute an internship plan that is appropriate in consideration of their previous work history, skills, and future career aspirations. The course instructor will meet with the student and the student's on-site supervisor to identify learning opportunities, gauge the student's progress, and ensure compliance with the policies and procedures of the organization. Students will complete reflective assignments designed to maximize the learning process of the practical experience they gain in the internship assignment/project.	Externship/Internship			
MAN 299S	Internship Seminar	1	The Internship Seminar provides students with the tool needed to secure and succeed in a business internship. Students will learn to craft and tailor professional resumes and cover letters, develop job search skills, and perfect professional workplace behavior. Students will also explore their career options and identify suitable career paths.	Lecture		(MAN 102)	
MAN 315	Staffing & Recruitment	3	Staffing and Recruitment focuses on the fundamental human resource tasks of identifying staffing needs, designing multifaceted recruitment and retention strategies, and hiring appropriate personnel. Students will learn how to utilize varied selection tools, including interviews, ability and personality testing, and experiential evaluation.	Lecture		(MAN 205)	
MAN 322	International Management	3	International Management introduces the student to the unique challenges of working for a multinational corporation. Students develop knowledge in managing across borders where higher levels of sophistication are needed in the marketing, operations, human resources, and financial management disciplines. Comparisons among political, economic, and technological environments are examined. Students examine the impact of culture on communication, motivation and leading in international settings.	Lecture		(MAN 102 AND ECO 102)	
MAN 324	Healthcare Delivery Systems	3	Healthcare Delivery Systems provides students with a comprehensive introduction to the wide range of modes of healthcare provision in the US, including hospitals, clinics, medical offices, long-term care facilities and government healthcare institutions. The course will also explore the role of private insurance providers, government healthcare programs, the biotech/pharmaceutical industry, medical research in healthcare provision and its impact on the healthcare consumer.	Lecture		(MAN 102 AND MED 102)	
MAN 325	Healthcare Financial Management	3	Healthcare Financial Management is designed to impart comprehensive understanding of accounting and financial management concepts, techniques and vocabulary as they apply to health care organizations. The course will develop students' understanding of the principles and practices of financial accounting and the methods for analyzing and using financial accounting information for healthcare decision-making. MAN 325 will focus on issues of managerial finance and cost containment, enabling students to develop the tools to achieve efficiencies in healthcare delivery.	Lecture		(FIN 201 AND MAN 324)	
MAN 326	Healthcare Regulation	3	Healthcare Regulation is designed to impart a comprehensive understanding of the nature and implications of governmental and professional regulation of the healthcare sector. Students will gain a thorough comprehension of laws and regulations covering the operation of healthcare organizations, licensing and practice of healthcare professionals and liability. The course will also examine the broader foundations of the US healthcare system in historical and comparative perspective.	Lecture		(LAW 110 AND MAN 324)	
MAN 332	Negotiation	3	This course exposes the student to the basic concepts, principles, and activities involved in all aspects of professional negotiation. Effective negotiation requires analytic vision and interpersonal understanding. The ability to identify key stakeholders, their interests, and power relationships is essential, yet proper implementation is also necessary. This course offers students the opportunity to learn how to analyze negotiations at a more sophisticated level and to develop that understanding through practice. The course will also provide a conceptual framework to diagnose problems and promote agreement, both outside and inside of an organization.	Lecture/Lab		(MAN 102)	
MAN 342	Managing Diversity in the Workplace	3	This course seeks to understand the nature, sources and implications of demographic diversity in the current global business environment. Students will gain an understanding of diversity across numerous dimensions, including ethnicity, gender, age, socioeconomic status, religion and disability. The students will develop both an understanding of the benefits of diversity and the skills necessary to succeed in and manage a diverse workplace.	Lecture		(LAW 110)	
MAN 343	Managerial Leadership	3	This course examines leadership theories from the early trait models to the present. Emphasis is placed on the development of leadership behaviors in the organization setting. Topics include; situational, ethical, transactional, transformational and servant leadership.	Lecture		(MAN 240)	

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MAN 399	Internship II	3	Students will complete a minimum of 120 hours on-site in a business internship or career-focused project approved by the Department Chair. Students will create and execute an internship plan that is appropriate in consideration of their previous work history, skills, and future career aspirations. The course instructor will meet with the student and the student's on-site supervisor to identify learning opportunities, gauge the student's progress, and ensure compliance with the policies and procedures of the organization. Students will complete reflective assignments designed to maximize the learning process of the practical experience they gain in the internship assignment/project.	Externship/Internship			
MAN 400	Management of Nonprofits	3	This course focuses on the particular needs and challenges of healthcare, social-service, and community-service not-for-profit organizations. Topics will include staff and volunteer management, community capacity-building, government and philanthropic funding, and regulatory affairs.	Lecture		(MAN 205)	
MAN 402	Operational Management	3	This course introduces the student to the primary tasks, duties, and responsibilities of a firm's operating units. Strategies, tactics, and their impact on marketing and finance are examined. Students learn how the operations management process transforms human, physical, and technological resources into finished products and services. The focus of operations management is decision-making at the operating level of the firm.	Lecture		(FIN 201 AND MKT 210)	
MAN 405	Grants and Contracts	3	This course explores the sources, mechanisms, and strategies of external governmental and philanthropic funding for nonprofit organizations of all types. Topics will include identifying funding partners and opportunities, grant and RFP writing, and performance evaluation of programs.	Lecture		(MAN 400)	
MAN 407	Business and Decision Analysis	3	This course will center on the analytical methods that decision makers use to gain insight into uncertainty. The course is designed to enable students to develop the skills to utilize the most effective methods for making decisions under conditions of uncertainty. Students will master both quantitative approaches to analyze potential courses of action and intuitive yet statistically grounded methods to enhance the efficacy of a wide range of business decisions.	Lecture		(MAT 200 OR CIS 313)	
MAN 412	Strategic Management	3	In this course students learn strategy analysis, strategy and policy formulation, policy implementation, and control. Students analyze problems in formulating, implementing, measuring, and adjusting strategy to ensure profitability and/or effectiveness in organizations. The use of a SWOT analysis will be used throughout the semester. The course emphasizes team-based projects designed to build knowledge and skills.	Lecture	Credits/Hours Required 90.00/0.00		
MAN 415	Training & Development	3	Training & Development explores the significance of and best practices for the holistic, ongoing process of bringing employees into a firm, integrating them into an organizational culture, and maximizing their performance as individuals and team members. Students will further their understanding of complementary approaches to creating an efficient, productive, and satisfied workforce at all levels of an organization.	Lecture		(MAN 205)	
MAN 420	Management of Small Business	3	This course provides the fundamentals of effective small business management. Coverage includes such diverse activities as managing growth, pricing, advertising and financial analysis. The course will also deal with major issues of a small business such as technology, crime insurance needs, the family business, ethics and the global marketplace. Students will select a business and develop a business plan for that business.	Lecture		(ECO 101 AND MKT 210 AND MAN 102 AND ACC 110)	
MAN 422	Risk Management	3	Risk Management is designed to introduce the student to various aspects of the managerial and strategic decision process concerned with how organizations attempt to identify, quantify, limit and respond to risk. Students will investigate the sources of financial, operational and business risk, determine which factors lie within an organization's control and draw conclusions about effective responses or preventive measures.	Lecture		(MAN 240) And (FIN 201)	
MAN 425	Compensation, Benefits, & Employment Law	3	Compensation, Benefits, and Employment Law examines the crucial role that employee remuneration and benefits strategies play in determining the success of an organization. The course will also explore key aspects of employment law, including employee and employer rights and responsibilities, equal employment opportunity/discrimination, the American with Disabilities Act (ADA), and employer liability. Students will learn to approach human resource decisions from a strategic perspective, focused on the long-term well-being of an organization and its stakeholders.	Lecture		(LAW 110 AND MAN 315)	
MAN 450	Senior Seminar and Project	3	Senior Seminar is the capstone course for all Bachelor of Science in Management students, normally taken in a student's final semester. The course provides students with the opportunity to apply their managerial knowledge in various functional areas, including management, finance, operations, marketing, and information technology to practical real-world issues. To demonstrate this knowledge, students will complete a semester-long comprehensive, detailed strategic analysis of a local business or nonprofit organization, drawing upon a range of primary and secondary source material, under guidance from the professor.	Lecture		(MAN 412)	

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MAN 499	Business Internship	3	Students will complete a minimum of 120 hours on-site in a business internship or career-focused project approved by the Department Chair. Students will create and execute an internship plan that is appropriate in consideration of their previous work history, skills, and future career aspirations. The course instructor will meet with the student and the student's on-site supervisor to identify learning opportunities, gauge the student's progress, and ensure compliance with the policies and procedures of the organization. Students will complete reflective assignments designed to maximize the learning process of the practical experience they gain in the internship assignment/project.	Externship/Internship		(MAN 299S)	
MAT 098	Fundamentals of Algebra	3	This course is designed as an introductory/review Math course. The course will begin with a review of selected arithmetic topics including fractions, decimals and percents, followed by a review of signed numbers, exponents and the order of operations. Basic algebraic topics will also be covered, including simplifying and evaluating variable expressions, solving linear equations in one variable and graphing linear equations in two variables. Real world applications will also be introduced. This is a remedial course and the credits do not apply to graduation. Students who do not complete MAT 098 with at least a C- will not be allowed to take MAT 104. These students must retake MAT 098 and earn a C- to continue to MAT 104.	Lecture			
MAT 104	Intermediate College Algebra	3	This course reviews and strengthens skills in algebra and logical thinking. The course will begin with a review of linear equations in one and two variables, inequalities and graphing. Additional topics include: literal equations, functions, polynomial, exponential, and rational expressions, factoring, radical expressions and quadratic equations, and absolute value equations. Real world applications will be found throughout the course. Students who have already passed MAT 102 or MAT 103 cannot take this course.	Lecture	Test Optional Rule: 1(Min Required:1) Math Placement (Score) >=104	(MAT 098)	
MAT 105	Mathematics and Personal Finance	3	This course teaches the concepts, ideas and problem-solving skills associated with personal finance and consumerism. Topics covered include: basic operations and their pertinence to personal finance; percentages and their applications, including markups and markdowns; banking, commissions, payroll, and payroll deductions; interest and an introduction to stocks, bonds, and mutual funds; finance charges, credit scores, and loan amortization. Within these areas, algebraic equations and formulas will be used and developed to find solutions to these real-world topics.	Lecture	Test Optional Rule: 1(Min Required:1) Math Placement (Score) >=160	(MAT 104) Or (MAT 160)	
MAT 107	Applied Math for Nurses	1	This course reviews and strengthens skills in basic mathematics and algebra within the context of the nursing field. Students will learn various mathematical techniques used in performing entry-level nursing dosage calculations such as ratio and proportion methods, formula methods, and dimensional analysis. Calculations involving oral medications, solutions, and parenteral medications, including intravenous medications, will be examined. Additionally, conversions within and between various measurement systems, such as the household metric systems, will be discussed.	Lecture		(NUR 100 AND NUR 102) Or (NUR 103 AND NUR 104 AND NUR 104L)	(NUR 101)
MAT 160	Pre-Calculus	3	This course continues the study of algebra and covers topics such as complex numbers, linear systems, symmetry, inverses and graphical transformations and an in depth study of functions and their graphs, also including circles, parabolas and ellipses. Specific functions to be covered are linear, exponential, logarithmic, polynomial and rational functions. Trigonometry, right angles, the unit circle and trigonometric functions will also be discussed. If time permits, sequences and series will be studied. Applications and word problems will be found throughout the course.	Lecture	Test Optional Rule: 1(Min Required:1) Math Placement (Score) >=160	(MAT 104)	
MAT 200	Statistics	3	This course introduces students to general statistical methods used in collection, presentation, analysis, and interpretation of statistical data. Topics to be covered include frequency distributors, measures distributions, and the application of concepts in statistical methodology. An analysis of research design is also introduced.	Lecture	Test Optional Rule: 1(Min Required:1) Math Placement (Score) >=160	(MAT 104) Or (MAT 160)	
MAT 211	Mathematics for Management	3	This course introduces students to the modeling approach in managerial decision-making. The development and creation of mathematical models, solving these models using both by-hand techniques and spreadsheet tools (Microsoft Excel), and interpreting solutions will be emphasized. Sensitivity analysis (Post-Optimality Analysis) will also be studied. This course will focus on linear models, but will also include an introduction to decision analysis and the application of probabilities in decision making.	Lecture	Test Optional Rule: 1(Min Required:1) Math Placement (Score) >=160	(MAT 104) Or (MAT 160) Or (MAT 200)	

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MAT 230	Calculus	3	A one-semester class, introducing students to fundamental Calculus. The student will learn to graph basic toolkit functions and determine continuity and limits of said functions. Through the study of the tangent line of rates and change, the derivative will be introduced. Differentiation fundamentals such as power, multiplication, division, and chain rules will be studied. Applications of the derivative such as curve sketching through increase/decrease, concavity analysis, and extrema will be followed by related rate problems. The anti-derivative will be introduced as well as its application towards finding area between curves. To close out the term, the student will examine the derivative and the integral of trigonometric functions. MAT 160 or Instructor's Permission required to enroll in this course.	Lecture		(MAT 160)	
MED 100	Introduction to Health Care	3	This course is an overview of the concepts surrounding health care. Topics include the health care delivery industry, professionalism and communication in the health care setting, medical history and physical assessment, concepts related to health promotion and disease prevention, safety and infection control, first aid and CPR. This course will also expose the student to various employment opportunities and enable them to explore potential career paths in the healthcare industry.	Lab	Test Optional Rule: 1(Min Required:1) English Placement (Score) >=101	(ENG 099A) Or (ENG 101) Or (ENG 102)	
MED 102	Medical Terminology	3	This course develops the knowledge of the elements of medical words and the skill to spell and pronounce them, leading to an ability to understand the language of medicine. Emphasis is placed on building medical words from Greek and Latin prefixes, word roots, and combining forms. Also covered is the understanding of the relationship between medical terms and their synonyms in lay usage and the clarification of the meaning of unfamiliar words by analysis of their components.	Lecture	Test Optional Rule: 1(Min Required:1) English Placement (Score) >=101	(ENG 099A) Or (ENG 101) Or (ENG 102)	
MED 103	Introduction to Healthcare	4	This course provides an overview of the roles and responsibilities of a healthcare professional and an introduction to medical specialties and subspecialties. This course introduces the student to the structures and functions of the healthcare platform which will consists of various topics such as healthcare formalities, the history of medicine, the healthcare team, office environment, professionalism, customer service, effective teamwork, patient satisfaction within the healthcare practice. Students will also learn, effective communication, interpersonal communication, workplace relationships, admission and discharge procedures, constructing and managing patient's healthcare records, HIPAA, confidentiality, time management, professional appearance and conduct, cultural differences, government programs, indemnity's, agreements, listening skills, gossiping at the workplace, patient privacy, deductibles. Body mechanics, workplace violence, OSHA, safety and emergency practices, ergonomics, promoting culture of safety and risk reduction. Outside preparation and study time, in addition to completing the online classroom activities, is required to complete the class assignments. Students will examine the competencies to develop strategies that will contribute to the goals of successful program completion.	Lecture/Lab	Test Required Rule: 1(Min Required:1) English Placement (Score) >=101	(ENG 099A OR ENG 101 OR ENG 102)	
MED 151	Medical Office Procedures	4	This course introduces the student to the role of the administrative medical assistant. Topics include general medical office procedures such as telephone etiquette, appointment scheduling, office maintenance, staff management, basic financial management, billing, current procedural terminology, international classification of diseases and filing of insurance claims. Students will be introduced to fundamentals of medical transcription, electronic health records and medical management software programs. Professionalism and communication skills are stressed throughout the course.	Lecture/Lab	Test Optional Rule: 1(Min Required:1) English Placement (Score) >=101	(ENG 099A) Or (ENG 101) Or (ENG 102)	
MED 161	Medical Coding	3	This course is designed to familiarize the student with coding procedures necessary to ensure third party payment for services rendered in the medical office. The student will gain detailed knowledge of ICD-10-CM (International Classification of Diseases) and CPT (Current Procedural Terminology) codes, and Level II (HCPCS) coding systems, HCFA-1500 (Health Care Finance Administration) forms, and legal collection procedures. The student will also gain familiarity with provider payment systems of various types of insurance carriers including Health Maintenance, Organizations, Preferred Provider Organizations, as well as federal programs such as Medicare and Medicaid (Mass Health). The medical topics of Medicare fraud, HMOs, and QIOs are also reviewed.	Lecture	Test Optional Rule: 1(Min Required:1) English Placement (Score) >=101	(ENG 099A) Or (ENG 101) Or (ENG 102)	
MED 162	Health Information and Technology	3	The focus of this course is the use of technology in healthcare. Students use a web-based electronic medical record education software to complete assignments in this course. Communication methods using technology are addressed. Students gain experience with using the electronic health record (EHR). Healthcare EHR security issues, social media use, and digital healthcare resources are examined. Computer skills proficiency developed as a part of this course.	Lecture	Test Required Rule: 1(Min Required:1) English Placement (Score) >=101	(ENG 099A) Or (ENG 101) Or (ENG 102)	

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MED 163	Coding: ICD Part 2	3	This course continues emphasis on Current Procedural Terminology (CPT) and International Classification of Diseases (ICD-10) coding skills and provides fundamentals of initiating, tracking and processing Medicare, Medicaid, Champus/Champva, Workers' Compensation and Disability Compensation claims, and introduction to Healthcare Common Procedure Coding System (HCPCS) and Diagnosis Related Groups (DRGs). Students will receive an in-depth explanations and examples of CPT, ICD-10-CM, and HCPCS medical coding systems; using the industry standard codebooks and source documents, PowerPoints, reading material and other source documents. Outside preparation and study time, in addition to completing the online classroom activities, is required to complete the class assignments. Students will examine the competencies to develop strategies that will contribute to the goals of successful program completion.	Lecture		(MED 161)	
MED 201	Clinical Procedures I	3	This course provides students with the theoretical knowledge and technical skills to perform various clinical procedures, documentation skills and guidelines necessary to assist a physician and a variety of health care providers. Students become familiar with diseases, clinical procedures, and treatments common to various medical specialties. The role of diagnostic imaging, rehabilitation and nutrition in health and disease will be discussed. This course has a laboratory component where students will learn how to assist in ambulatory minor surgical procedures, examinations and procedures in pediatrics, gerontology, OB-GYN, urology and specializations involving different body systems. A minimum grade of C is required.	Lecture		(MED 100 AND MED 100L) And (BIO 201) And ((BIO 200))	(BIO 202AND MED 201L)
MED 201B	Clinical Procedures I	4	This course provides students with the theoretical knowledge and technical skills to perform various clinical procedures, documentation skills and guidelines necessary to assist a physician and a variety of health care providers. Students become familiar with diseases, clinical procedures, and treatments common to various medical specialties. The role of diagnostic imaging, rehabilitation and nutrition in health and disease will be discussed. This course has a laboratory component where students will learn how to assist in ambulatory minor surgical procedures, examinations and procedures in pediatrics, gerontology, OB-GYN, urology and specializations involving different body systems.	Lecture/Lab	Test Optional Rule: 1(Min Required:1) English Placement (Score) >=101	(ENG 099A) Or (ENG 101) Or (ENG 102)	
MED 202	Clinical Procedures II	3	This course is a continuation of Clinical Procedures I and will provide students a deeper understanding of advanced techniques of clinical assisting, diagnostic procedures, and treatments in various medical specialties. Students will be introduced to pharmacology and medication administration. The course will also focus on medical laboratory procedures where students will learn techniques and rationale behind these diagnostics. A minimum grade of C is required.	Lecture	Test Required Rule: 1(Min Required:1) Math Placement (Score) >=104	(MED 201)	
MED 202B	Clinical Procedures II	4	This course is a continuation of Clinical Procedures I and will provide students a deeper understanding of advanced techniques of clinical assisting, diagnostic procedures, and treatments in various medical specialties. Students will be introduced to pharmacology and medication administration. The course will also focus on medical laboratory procedures where students will learn techniques and rationale behind these diagnostics.	Lecture/Lab		(MED 201B AND BIO 201A AND MED 102)	
MED 211	Advanced Coding	3	The student will build on coding and billing skills learned in previous courses. This course will introduce higher level reimbursement information. Students will gain an understanding of the processes used by reimbursement specialists. This course will introduce obtaining certifications in medical billing and coding.	Lecture		(MED 163)	
MED 225	Medical Ethics	3	This course exposes students to a wide variety of moral principles currently encountered in medicine today, as well as the ethical questions and controversies arising out of current medical practice. Some topics currently covered are applied human genetic counseling, human experimentation, in-vitro fertilization, surrogate parenting, abortion, euthanasia, medically treating special populations, legal rights of patients and health care providers, informed consent, rights of the handicapped, long-term care, Acquired Immune Deficiency Syndrome, and allocation of medical resources. Aside from personal beliefs, opinions and values, the course will also emphasize the professional behaviors, work ethics, sensitivity to patient diversity and appropriate conduct of medical professionals.	Lecture		(ENG 102)	
MED 299B	Medical Assisting Internship and Seminar	3	This course has a seminar component that will provide students with the tools needed to succeed in an internship, prepare them for a certification exam, and develop job search skills. A 160-hour Medical Assisting Internship is also required. The Internship Coordinators schedule students for experiential learning in a preapproved clinical site and a specified time frame. Students are given the opportunity to apply skills and knowledge learned in all program courses to a clinical setting.	Externship/Internship		(MED 102 AND BIO 201A AND MED 201B)	

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MKT 207	Advertising and Promotion	3	This course, offering an analysis of highly successful local and national advertising campaigns, is coupled with identifying the characteristics of contemporary media. In this course, students develop creative concepts for the advertising of both products and services. Emphasis is placed on understanding the procedures and professionals involved in bringing concepts to reality.	Lecture			
MKT 210	Principles of Marketing	3	Principles of Marketing exposes the student to the basic concepts, principles, and activities involved in marketing. Students study the role of marketing in businesses and non-profit organizations. Environmental, societal, demographic, and economic factors affecting marketing and the nature of marketing decisions are also explored. Students will learn how to formulate marketing strategies to analyze marketing opportunities and to develop a marketing program, emphasizing product, place, price, and promotion. Students will work in teams to select a product and develop a marketing plan for that product.	Lecture			
MKT 213	Consumer Behaviour	3	Today's consumer landscape is more complex than ever. Thanks to Big Data, we can target consumers based on their specific interests. Multichannel media means that we reach consumers everywhere, from the phones in their pockets to their TV sets, trying to influence them to buy our products. Yet, research shows that most consumers trust recommendations from friends, and not advertising or sales associates. Most buying decisions are more emotional than practical. Traditional psychological approaches still hold sway even on new media such as social and mobile. In this class, students will learn the basics on consumer psychology. The course explores the many social, cultural, and economic factors that go into buying behavior. Students also learn how Big Data is changing the landscape of how customers interact with brands. Through practical, hands-on activities, students learn how to understand consumers, reach them effectively, and embrace the diverse global consumer landscape.	Lecture			
MKT 322	Product Development and Marketing	3	Developing new products is an exciting role for marketers. In this class, students will learn how new products are created, launched, and marketed. Combining traditional product management with contemporary techniques, this class also shows how to launch a new company based on a product idea. Students will learn how to test out a product idea to ensure it will interest consumers, build the right product that consumers want, and launch the product for maximum chances of success. The class also tackles the development process from a management perspective. Building on the concept of empathy-driven design, this class integrates the creative, technical, and managerial aspects of product design. Students will learn about traditional and contemporary approaches to product management and marketing, including: Product Roadmapping, the Business Model Canvas, User Experience (UX) research, Blue Ocean Strategy, Product Lifecycle Management, and Product Ownership within a Scrum environment.	Lecture		(MKT 210)	
MKT 323	Sales Principles and Leadership	3	This course will center on the strategic role of sales and broader marketing principles within the organization. The course will also explore the management of sales functions in diverse organizations. In addition to mastering the principles and techniques of various aspects of sales, students will be expected to understand the role of factors as diverse as technology and e-commerce, CRM strategies and cost analyses in the selling process.	Lecture		(MKT 210)	
MKT 326	Brand Management	3	This class will give students a fundamental understanding of how to build, measure, and manage a brand. This course provides students with insights into how profitable brand strategies can be created and managed by brand management professionals. This class blends marketing theory and practice to provide perspective on corporate marketing and the brand management function.	Lecture			
MKT 327	Social Media Marketing	3	Social media is rapidly becoming a critical marketing channel for both business-to-consumer (B2C) and business-to-business (B2B) companies. It offers unparalleled opportunities to foster word-of-mouth, engage consumers on mobile devices at the point of purchase, and reach customers with messages that speak to their interests. This hands-on course will build on classic marketing strategies and help students understand the uses of Twitter, Facebook, Instagram, LinkedIn, Pinterest, Meerkat, and others channels in marketing today.	Lecture		(MKT 210)	
MKT 328	Digital Marketing	3	Marketing online has become the essential channel for companies large and small to reach consumers. Today's digital marketing offers consumers personalized offers and unprecedented access to goods and services. It offers companies an unprecedented amount of data, the potential for greater customer loyalty, and more access to markets for niche brands. This course provides students with a comprehensive overview of digital marketing strategy. In this project-driven class, students will work on creating a complete digital marketing plan for select nonprofit or small businesses. In the process, they will learn the core strategies of digital marketing including: digital marketing channels and methods, strategies for reaching consumers online, and planning for integrated digital campaigns.	Lecture		(MKT 210)	

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MKT 330	Content Marketing	3	Content marketing is the creation of written, visual, and video materials that inform consumers while promoting a company's brand. It's the core competency of a modern marketing organization. Content marketing includes all the written materials on which contemporary inbound marketing depends such as: Social media posts and videos, Website text, Email newsletters, Blogs, Infographics and YouTube content, plus the technical communications used in the high-tech industry, such as whitepapers. In this hands-on class, we'll put our writing, video, and design skills to use creating content marketing that drives visibility, sales, and growth for marketing organizations. Content marketing offers an opportunity for strong writers, video professionals, and designers to become core members of the marketing team. This class will help creative students apply their skills in a business context, while enabling business students to strengthen their ability to produce usable advertisements, videos, and marketing materials.	Lecture		(MKT 210)	
MKT 422	International Marketing	3	This course deals with the relevance of international marketing. The course starts with the culture of international marketing and the need for understanding of globalization.	Lecture		(MKT 210)	
MKT 425	Marketing Research	3	This course focuses on and examines the critical need for customer and market information and the tools and methods available to collect and analyze that information. Topics include identification of information needs, market and consumer analysis, methodology for collection of information, and analysis of data relative to marketing issues. Reviews data and key marketing concepts to help students learn more about marketing tools and uses. Use of the Internet will also help demonstrate how to gather market research data more quickly and efficiently.	Lecture		(MKT 210 AND MAT 200)	
MKT 426	Marketing Analytics	3	Data is everywhere today in marketing. Data about consumers, from their last web search to how often they purchase coffee, dictates the types of ads every US consumer sees. Sales data from every store in a chain feeds directly back to the home office, impacting everything from what gets put on sale to the colors of next year's fashions. From tailoring ads to consumers' interests to mining demographic data to determine where to advertise, today's marketers use data for every decision. This course introduces students to the use of data analytics in marketing. It will teach students four core strategies for using data effectively: 1) How to use internal data, such as sales figures and web analytics, to make strategic planning decisions; 2) How to use the large amount of consumer data, part of Big Data, available via Google and other internet companies to effectively target consumers while respecting privacy; 3) How to use competitive data to position brands, set pricing strategy, and predict trends; 4) How to generate new data to measure the ROI of marketing: how measuring data types such as clickthrough rates can help marketers create campaigns that win more sales.	Lecture		(MKT 210)	
MKT 427	Customer Experience Management	3	Maintaining ongoing relationships with customers is the core of successful management. In this course, students will learn both the strategies and technologies of Customer Experience (CX) Management. We will start by identifying the top strategy frameworks for developing strong customer relationships. We'll then look at how these strategies are implemented via CRM systems, including Hubspot and Salesforce. This class integrates both sales and marketing to cover the complete customer lifecycle, from the moment a customer is acquired to maintaining customer loyalty through effective programs that engage stakeholders based on empathy-driven marketing. We'll learn about messaging, online targeting and optimization, and finding the most profitable customers. We'll learn how to use the major features of most common CRM systems, leaving students work-ready for roles in outside and inside sales as well as marketing.	Lecture		(MKT 210)	
MKT 459	Marketing Strategy	3	Marketing Strategy is designed to aid students in understanding the process of research, competitor analysis and long-range planning in the marketing field. Students will gain expertise in identifying and exploiting opportunities for growth and entrance into new or underserved markets. As a capstone project, students will develop a comprehensive marketing plan and strategy for a product or service.	Lecture		(FIN 201 AND MKT 210)	
MUS 101	Fundamentals of Music	3	Students will develop critical listening skills for the analysis of contemporary music recordings by exploring the conventions of basic music theory and the historical and social context of music. Song forms, time signatures, lyrical content, scales, harmony and other topics are covered through classroom lecture, demonstration, and audio examples.	Lecture			(ENG 101)
MUS 102	American Music in the 20th Century	3	This course is an introductory study of the diverse musical traditions that are part of the American experience. This course surveys American music beginning in the early 20th century with blues, gospel, and American folk music, and progresses through ragtime, jazz, rock, and hip-hop. Indigenous and immigrant music styles will also be explored.	Lecture			(ENG 101)

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NUR 103	Introduction to Nursing Concepts	3	<p>This course introduces the student to nursing knowledge, as it relates to the role of the registered nurse, and the importance of ethical, legal, and standards-based practice. The Nurse of the Future Nursing Core Competencies (NOFNCC) and the associated Quality and Safety in Nursing Education competencies (QSEN) are explored. The professional attributes of the nurse, as well as, the importance of collaboration with members of the health care team are examined. The course introduces the components of the nursing process as they apply to problem solving patient care. Professional and therapeutic communication are introduced and considered in relationship to patient teaching learning principles. The development of critical thinking, clinical reasoning and clinical judgment along the nursing knowledge continuum will be investigated.</p> <p>Previous Code: NUR 100</p>	Lecture			
NUR 104	Health Assessment	2	<p>The Nurse of the Future Nursing Core Competencies (NOFNCC) provide the framework for the development of nursing knowledge required for mastery of nursing assessment skills for diverse populations. The use of the nursing process, with consideration for patient preferences, values, and needs, is applied to health assessment skills. Emphasis is placed on student's ability to recognize the need for assessment prior to intervention. The use of interprofessional and therapeutic communication during health assessment, including when collecting assessment data, is developed. Students are expected to critically evaluate assessment findings, with the outcome of differentiating between normal findings, and those that may indicate an actual or potential health problem. The impacts of race, ethnicity, culture, and socio-economic status on health promotion, disease prevention and health education are examined. Students will have the opportunity to demonstrate acquired knowledge, skills, and attitudes in performing a patient-centered health assessment in the corresponding learning laboratory course.</p> <p>Students must successfully complete all related didactic and lab requirements of both sections of this course to pass this course.</p> <p>Co- Requisite: NUR 104L</p> <p>Previous Code: NUR 102 (Not equivalent without NUR104L)</p>	Lecture			(NUR 104L)
NUR 104L	Health Assessment Lab	1	<p>The Nurse of the Future Nursing Core Competencies (NOFNCC) provide the framework for students to gain demonstrate nursing knowledge, skills, and attitudes in patient-centered health assessments.</p> <p>The nursing process, with consideration for patient preferences, values, and needs, is applied to health assessment skills. Recognizing the importance of assessment prior to intervention is reinforced in the practice setting. The student will utilize interprofessional and therapeutic communication during the health assessment including, collecting, reporting, and documenting assessment data. Students will have the opportunity to demonstrate knowledge of the impacts of race, ethnicity, culture, and socio-economic status on health promotion, disease prevention and health education when completing patient-centered health assessments in the laboratory setting.</p> <p>Students must successfully complete all related didactic and lab requirements of both sections of this course to pass this course</p> <p>Co- Requisites: NUR 104 & NUR 103, BIO 204, BIO 204L ENG 102, CIS 103, MAT 107</p> <p>Previous Code: NUR 102 (Not equivalent without NUR104)</p>	Lab			(NUR 104)
NUR 105	Fundamental Health Concepts-Classroom	3	<p>The Nurse of the Future Nursing Core Competencies (NOFNCC) are used as a framework for building nursing knowledge and critical thinking, to the foundational understanding of patient centered care to adults and older adults in a variety of health settings. Course content will focus on the purpose and rationale for providing nursing skills safely and competently. Students are introduced to the meaning and functions of the work unit and the nurse's role in meeting patient and organizational quality improvement goals. Nutrition and related basic pharmacological therapies are integrated. Student are expected to exhibit professionalism in the classroom, as evidenced by self-direction, self-awareness, responsibility, and respect for others. Course content including discussions, reading, concepts maps, case studies?and other active learning?strategies?will incorporate steps of the nursing process. Course content will be applied to the clinical and laboratory skills sections of this course.</p> <p>Students must successfully complete all related didactic lab and clinical/sim requirements in all sections of this course to pass this course</p> <p>Pre-requisite: NUR 103, NUR 104, NUR 104L, BIO 204, BIO 204L ENG 102, CIS 103, MAT 107</p> <p>Co- Requisites: NUR 105C, NUR 105L & ENG 206, BIO 205, BIO 205L, NUR 105C, NUR 105L, NUR 106,</p> <p>Previous Code: NUR 101 (Not equivalent without NUR105C&NUR105L)</p>	Lecture			(NUR 105CAND NUR 105L)

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NUR 105C	Fundamental Health Concepts-Clinical/Simulation	3	<p>The Nurse of the Future Nursing Core Competencies (NOFNCC) is used as a framework for building nursing knowledge and critical thinking to the application of patient centered nursing care. Students will incorporate steps of the nursing process when completing the required minimum of 90 hours of clinical practice in a variety of health settings. Student are expected to exhibit professionalism in the simulation, and clinical settings as evidenced by self-direction, self-awareness, responsibility, and respect for others. The clinical course is graded on a Pass/Fail rubric with all clinical assignments needing to be completed for a student to pass the clinical course. In addition to clinical assignments, attendance and performance in the clinical setting will be considered as part of the clinical evaluation.</p> <p>Students must successfully complete all related didactic lab and clinical/sim requirements in all sections of this course to pass this course.</p> <p>Pre-requisite: NUR 103, NUR 104, NUR 104L, BIO 204, BIO 204L ENG 102, CIS 103, MAT 107</p> <p>Co- Requisites NUR 105, NUR 105L & ENG 206, BIO 205, BIO 205L, NUR 105, NUR 105L, NUR 106,</p> <p>Previous Code: NUR 101 (Not equivalent without NUR105&NUR105L)</p> <p>Requirement: Proof of COVID/Influenza Immunization</p>	Clinical			(NUR 105AND NUR 105L)
NUR 105L	Fundamental Health Concepts-Skills Laboratory	1	<p>The Nurse of the Future Nursing Core Competencies (NOFNCC) is used as a framework to apply new nursing knowledge, skills and attitudes using critical thinking when practicing, ethical, legal, and standards-based patient centered care. Students are required to demonstrate entry level practice competencies prior to performing a nursing procedure in the clinical and/or simulation settings. Student are expected to exhibit professionalism in the skills lab, as evidenced by self-direction, self-awareness, responsibility, and respect for others.</p> <p>Students must successfully complete all related didactic lab and clinical/sim requirements in all sections of this course to pass this course.</p> <p>Pre-requisite: NUR 103, NUR 104, NUR 104L, BIO 204, BIO 204L ENG 102, CIS 103, MAT 107</p> <p>Co- Requisites: NUR 105, NUR 105C & ENG 206, BIO 205, BIO 205L, NUR 105, NUR 105C, NUR 106,</p> <p>Previous Code: NUR 101 (Not equivalent without NUR105&NUR105C)</p>	Lab			(NUR 105AND NUR 105C)
NUR 106	Pharmacology I	2	<p>This course is built upon the framework of the Nurse of the Future Nursing Core Competencies (NOFCC) with a focus on accountability, safety, and quality as they relate to safe medication administration. Drug classification, principles of pharmacodynamics and pharmacokinetics, drug actions and interactions, and environmental factors in safe medication administration are introduced. Connections are made between the nursing process, patient-centered care, and the nurse's role in safely administering medications. Active learning strategies will include application of clinical and medication calculations, and concept maps, case studies, and opportunities for hands-on practice.</p> <p>Pre-Requisites: NUR 103, NUR 104, NUR 104L, BIO 204, BIO 204L ENG 102, CIS 103, MAT 107</p> <p>Co-Requisites: ENG 206, BIO 205, BIO 205L, NUR 105, NUR 105C, NUR 105L</p> <p>Previous Course Code: NUR 115 (Not equivalent without NUR 212,213,214,222)</p>	Lecture			
NUR 209	Introduction to Informatics	3	<p>NUR 209 introduces the student to the use of information and technology to communicate, develop nursing competencies, prevent error, and enhance critical thinking, clinical reasoning, and clinical judgment in nursing practice. The course will build upon knowledge and skills from computer science and information technology to further connections with the Nurse of the Future Nursing Core Competencies (NOFNCC) including informatics, safety, and quality. Students will examine different health information systems, including the electronic health record to identify, prioritize and synthesize patient information that contributes to quality safe nursing care.</p>	Lecture		(NUR 103 AND NUR 104 AND NUR 104L)	(NUR 105AND NUR 105CAND NUR 105LAND NUR 106)

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NUR 211	Health and Illness Concepts	3	<p>The Nurse of the Future Nursing Core Competencies (NOFNCC) provide the framework for developing competency in the use of clinical judgement through acquiring higher order nursing knowledge and critical thinking skills. These more developed abilities enable the student to provide culturally competent care with respect to the values, needs, and preferences of the adult and older patient in acute care settings. Health promotion, health maintenance and disease management for selected health illnesses are explored. Nutrition and related pharmacological therapies are integrated. Pathophysiology, interpretation of related diagnostic test, and patient centered care planning for acute and chronic illness are examined. The nursing process will be integrated throughout course content using multimodal learning strategies; including, discussions, reading, concepts maps, case studies and other learning experiences.</p> <p>Students will further explore accountability as a team member, as well as, more comprehensively review the role of the nurse in patient teaching. Students must successfully complete all related didactic lab and clinical/sim requirements in all sections of this course to pass this course.</p> <p>Pre-requisite: ENG 206, BIO 205, BIO 205L, NUR 105, NUR 105C, NUR 105L, NUR 106,</p> <p>Co- Requisites: NUR 211L, NUR 211C & BIO 206, BIO 206L, NUR 212, NUR 213</p> <p>Previous Code: NUR 210 (Not equivalent without NUR211C&NUR211L)</p>	Lecture			(NUR 211CAND NUR 211L)
NUR 211C	Health and Illness Concepts Clinical Simulation	3	<p>The Nurse of the Future Nursing Core Competencies (NOFNCC) provide the framework for developing competency in the use of clinical judgement through acquiring higher order nursing knowledge and critical thinking skills. Students participate in providing safe and effective patient centered care to adults and older adults in the acute care setting. Students will apply critical thinking to ethical, legal, and regulatory principles to support the use of clinical judgement in the provision of standard-based care. Experiential learning will focus on correlating course content of health promotion, disease management and health teaching for selected health illness in the acute care or simulation settings. The student will demonstrate the ability to integrate the nursing process while functioning in the nurse's role as a team member and patient educator. The clinical course is graded on a Pass/Fail rubric, with all clinical assignments needing to be completed, for a student to pass the clinical course. In addition to clinical assignments, attendance and performance in the clinical setting will be considered as part of the clinical evaluation.</p> <p>Students must successfully complete all related didactic lab and clinical/sim requirements in all sections of this course to pass this course.</p> <p>Pre-requisite: ENG 206, BIO 205, BIO 205L, NUR 105, NUR 105C, NUR 105L, NUR 106,</p> <p>Co- Requisites: NUR 211, NUR 211L & BIO 206, BIO 206L, NUR 212, NUR 213</p> <p>Previous Code: NUR 210 (Not equivalent without NUR211&NUR211L)</p> <p>Requirement: Proof of COVID/Influenza Immunization</p>	Clinical			(NUR 211AND NUR 211L)
NUR 211L	Health and Illness Concepts Lab	1	<p>The Nurse of the Future Nursing Core Competencies (NOFNCC) provide the framework for developing competency in the use of clinical judgement through acquiring higher order nursing knowledge and critical thinking skills in the laboratory practice setting. Students are required to demonstrate entry level practice competencies prior to performing more complex nursing skills and demonstrating increasing competencies in NOFNCC in the clinical and/or simulation settings. Students must successfully complete all related didactic lab and clinical/sim requirements in all sections of this course to pass this course</p> <p>Pre-requisite: ENG 206, BIO 205, BIO 205L, NUR 105, NUR 105C, NUR 105L, NUR 106,</p> <p>Co- Requisites NUR 211, NUR 211C & BIO 206, BIO 206L, NUR 212, NUR 213</p> <p>Previous Code: NUR 210 (Not equivalent without NUR211&NUR211C)</p>	Lab			(NUR 211AND NUR 211C)

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NUR 212	Pharmacology II	1	<p>This course continues to build upon developing clinical judgement by utilizing the Nurse of the Future Nursing Core Competencies (NOFCC) framework to integrate the nursing process, critical thinking, organizational and prioritization skills, and interprofessional collaboration to medication administration. Students will explore drug indications, modes of action, effects, contraindications and interactions for selected drugs for the adult and older adult patients in the acute care setting.</p> <p>Pre-Requisites: ENG 206, BIO 205, BIO 205L, NUR 105, NUR 105C, NUR 105L, NUR 106.</p> <p>Co-Requisites: NUR 211, NUR 211L, NUR 211C, BIO 206, BIO 206L, NUR 213.</p> <p>Previous Course Code: NUR 115 (Not equivalent without NUR 106, NUR 214, NUR 222)</p>	Lecture			
NUR 213	Pathophysiology	2	<p>In this course, the learner will examine the functional changes in cells, tissues and organs altered by disease and/or injury. Using a case study approach, the learner will explore how pathophysiology bridges the basic sciences with clinical nursing practice. Emphasis will be placed on how understanding pathophysiology processes. The learner will study the influences of genetic, ethnic, and cultural variables on human diseases which explain clinical signs and symptoms. This knowledge promotes patient centered care and supports the application of clinical reasoning.</p> <p>Pre-Requisites: ENG 206, BIO 205, BIO 205L, NUR 105, NUR 105C, NUR 105L, NUR 106.</p> <p>Co-Requisites: NUR 211, NUR 211L, NUR 211C, BIO 206, BIO 206L, NUR 212.</p>	Lecture			
NUR 214	Pharmacology III	1	<p>This course expands clinical judgement, as it applies to safe medical administration in the care of childbearing families, pediatric patients, and patients across the mental health continuum through the use of nursing knowledge integrated with the Nurse of the Future Nursing Core Competencies (NOFCC) Students will implement the nursing process using clinical reasoning to medication administration including, identifying risk, responses to risk, and to actual medication errors. The emphasis will be on patients across the life span including, the childbearing family, pediatric patient, and mental health patients.</p> <p>Pre-Requisites: NUR 211, NUR 211L, NUR 211C, BIO 206, BIO 206L, NUR 212, NUR 213</p> <p>Co-Requisites: NUR 216, NUR 216C, NUR 218, NUR 218C, SOC 210, PSY 208</p> <p>Previous Course Code: NUR 115 (Not equivalent without NUR 106,212,213,222)</p>	Lecture			
NUR 216	Nursing Care of the Childbearing Family and Pediatric Patients Classroom	3	<p>This course integrates the Nurse of the Future Nursing Core Competencies (NOFNCC) to the care of childbearing families and pediatric patients. The course builds on the concepts of earlier nursing courses with emphasis developing clinical judgement through the use of the nursing process and clinical reasoning in promoting patient-centered care in the domains of health promotion, disease prevention, and alterations in health related to the childbearing family and pediatric patient. Pathophysiology, interpretation of related diagnostic tests, and patient centered care planning for childbearing family and pediatric patients are examined. Nutrition and related pharmacological therapies are integrated. Safety and quality improvement initiatives are explored as they apply to health risks and to barriers to care for the childbearing family and pediatric client active learning strategies, as well as a variety of content delivery methods, will be utilized to present course content. The continued development of clinical judgement will be supported by applying the nursing process and clinical reasoning to the clinical /Sim section linked to this course.</p> <p>Students must successfully complete all related didactic and clinical/sim requirements in all sections of this course to pass the course.</p> <p>Pre-requisite: NUR 211, NUR 211L, NUR 211C, BIO 206, BIO 206L, NUR 212, NUR 213</p> <p>Co- Requisites: NUR 216C & NUR 214, NUR 218, NUR 218C, SOC 210, PSY 208</p> <p>Previous Code: NUR 200 (Not equivalent without NUR216C)</p>	Lecture			(NUR 216C)

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NUR 216C	Nursing Care of the Childbearing Family & Pediatric Patients Clinical/Sim	1	<p>Students will have opportunities to practice and refine more complex nursing skills, while demonstrating increasing competencies to the care of the childbearing families and pediatric patients based on the Nurse of the Future Nursing Core Competencies. The clinical course is graded on a Pass/Fail rubric with all clinical assignments needing to be completed for a student to pass the clinical course. In addition to clinical assignments, attendance and performance in the clinical setting will be considered as part of the clinical evaluation.</p> <p>Students must successfully complete all related didactic and clinical/sim requirements in all sections of this course to pass the course.</p> <p>Pre-requisite: NUR 211, NUR 211L, NUR 211C, BIO 206, BIO 206L, NUR 212, NUR 213</p> <p>Co- Requisites: NUR 216 & NUR 214, NUR 218, NUR 218C, SOC 210, PSY 208</p> <p>Previous Code: NUR 200 (Not equivalent without NUR216)</p> <p>Requirement: Proof of COVID/Influenza Immunization</p>	Clinical			(NUR 216)
NUR 218	Mental Health Concepts Classroom	3	<p>This course integrates the Nurse of the Future Nursing Core Competencies (NOFNCC) to theories, principles, and concepts to provide evidence-based care to patients experiencing psychiatric/mental health issues across a continuum. Students are introduced to theoretical models of behavior, classifications and symptomatology of mental disorders, interpretation of diagnostic test results and treatment modalities across the mental health continuum. Nutrition and related pharmacological therapies are integrated. Emphasis will be on integrating a holistic view of physiological and mental health nursing. Safety and quality improvement initiatives are explored as they apply to health risk and barriers to care for patients experiencing mental health issues. Course content including discussions, reading, concepts maps, case studies and other active learning strategies using clinical reasoning will be applied to the clinical /Sim section linked to this course.</p> <p>Students must successfully complete all related didactic and clinical/sim requirements in all sections of this course to pass the course.</p> <p>Pre-Requisites: NUR 211, NUR 211L, NUR 211C, BIO 206, BIO 206L, NUR 212, NUR 213</p> <p>Co-Requisites: NUR 218C & NUR 216, NUR 216C, NUR 214, SOC 210, PSY 208</p> <p>Previous Code: NUR 215 (Not equivalent without NUR218C)</p>	Lecture			(NUR 218C)
NUR 218C	Mental Health Concepts Clinical Simulation	1	<p>This course integrates the Nurse of the Future Nursing Core Competencies (NOFNCC) to the application of nursing care to patients experiencing psychiatric/mental health issues across a continuum. Students will apply the nursing process and clinical reasoning to the concepts of health promotion, disease prevention, and alterations in health based on theoretical models of behavior, classifications and symptomatology of mental disorders, and treatment modalities across the mental health continuum. Students will have opportunities to practice and refine more complex nursing skills, while demonstrating increasing competencies to the care of the clients experiencing mental health issues based on the Nurse of the Future Nursing Core Competencies. The clinical course is graded on a Pass/Fail rubric with all clinical assignments needing to be completed for a student to pass the clinical course. In addition to clinical assignments, attendance and performance in the clinical setting will be considered as part of the clinical evaluation.</p> <p>Students must successfully complete all related didactic and clinical/sim requirements in all sections of this course to pass the course.</p> <p>Pre-requisite: NUR 211, NUR 211L, NUR 211C, BIO 206, BIO 206L, NUR 212, NUR 213</p> <p>Co- Requisites: NUR 218 & NUR 216, NUR 216C, NUR 214, SOC 210, PSY 208</p> <p>Previous Code: NUR 215 (Not equivalent without NUR218)</p> <p>Requirement: Proof of COVID/Influenza Immunization</p>	Clinical			(NUR 218)
NUR 222	Pharmacology IV	1	<p>This course expands clinical judgement, as it applies to safe medical administration, in the care of the adult and older adult patients with more complex health needs, through the use of nursing knowledge integrated with the Nurse of the Future Nursing Core Competencies (NOFNCC). Students will implement the nursing process using clinical judgement while identifying risk and potential responses to error in the delivery of medications in the acute care setting. Just Culture, preventing medication errors in a more complex setting, and delivery of medications requiring more complex technology.</p> <p>Pre-Requisites: NUR 216, NUR 216C, NUR 214, NUR 218, NUR 218C, SOC 210, PSY 208</p> <p>Co-Requisites: NUR 223, NUR 223L, NUR 223C, NUR 224, NUR 225</p> <p>Previous Course Code: NUR 115 (Not equivalent without NUR 106,212,213,214)</p>	Lecture		(NUR 216 AND NUR 216C AND NUR 214 AND NUR 218 AND NUR 218C AND SOC 210 AND PSY 208) And ((PSY 208 AND SOC 210 AND NUR 200 AND NUR 215))	

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NUR 223	Advanced Health and Illness Concepts	3	<p>This course expands nursing knowledge and clinical judgment to the principles of accountability and advocacy consistent with legal, ethical, and standards-based practice. The Nurse of the Future Nursing Core Competencies (NOFNCC) are the framework for nursing care to adults and older adults' patients with more complex health needs. Knowledge of pathophysiology, and interpretation of related diagnostic test results will be applied to the nursing care to adult and older adult patients with multiple chronic and/or more acute complex health conditions. Nutrition and related pharmacological therapies are integrated. Leadership skills are integrated within the nursing role and responsibilities for teamwork, interprofessional and systems-based practice, decision making, delegation, supervision, and prioritization in the setting of caring for multiple patients.</p> <p>Pre-requisite: NUR 216, NUR 216C, NUR 214, NUR 218, NUR 218C, SOC 210, PSY 208</p> <p>Co- Requisites: NUR 223C, NUR 223L & NUR 222, NUR 224, NUR 225</p> <p>Previous Course Code: NUR 220 (Not equivalent without NUR 223C/223L)</p>	Lecture		(NUR 216 AND NUR 216C AND NUR 214 AND NUR 218 AND NUR 218C AND SOC 210 AND PSY 208) Or ((PSY 208 AND SOC 210 AND NUR 200 AND NUR 215))	(NUR 223C AND NUR 223L)
NUR 223C	Advanced Health and Illness Concepts Clinical Simulation	3	<p>The Nurse of the Future Nursing Core Competencies (NOFNCC) is used as a framework for expanding nursing knowledge and clinical judgement to the application of patient centered nursing care. Students are required to complete a minimum of 90 hours of clinical practice providing coordinated care to adults and older adults with more complex health needs in the clinical and simulation settings. Students will demonstrate clinical judgement that improves patient outcomes using identified data from quality improvement and safety initiatives on the work unit or in simulation. Clinical practice and simulation will focus on the role and responsibilities of the nurse as students transition to novice nurse practice.</p> <p>The clinical course is graded on a Pass/Fail rubric with all clinical assignments needing to be completed for a student to pass the clinical course. In addition to clinical assignments, attendance and performance in the clinical setting will be considered as part of the clinical evaluation.</p> <p>Students must successfully complete all related didactic and clinical/sim requirements in all sections of this course to pass the course.</p> <p>Pre-requisite: NUR 216, NUR 216C, NUR 214, NUR 218, NUR 218C, SOC 210, PSY 208</p> <p>Co- Requisites: NUR 223, NUR 223L & NUR 222, NUR 224, NUR 225</p> <p>Previous Course Code: NUR 220 (Not equivalent without NUR 223C/223L)</p> <p>Requirement: Proof of COVID/Influenza Immunization</p>	Clinical		(NUR 216 AND NUR 216C AND NUR 214 AND NUR 218 AND NUR 218C AND PSY 208 AND SOC 210) Or ((PSY 208 AND SOC 210 AND NUR 215 AND NUR 200))	(NUR 223 AND NUR 223L)
NUR 223L	Advanced Health and Illness Concepts Lab	1	<p>The Nurse of the Future Nursing Core Competencies (NOFNCC) is used as a framework for expanding nursing knowledge and clinical judgement to the application of patient centered nursing care. Students are required to complete a minimum of 30 hours of laboratory practice demonstrating care to adults and older adults with more complex health needs. Students will have opportunities to practice and refine more complex nursing skills, while demonstrating increasing competencies, and readiness to transition to the novice nurse role based on the Nurse of the Future Nursing Core Competencies (NOFNCC).</p> <p>The clinical course is graded on a Pass/Fail rubric with all clinical assignments needing to be completed for a student to pass the clinical course. In addition to clinical assignments, attendance and performance in the clinical setting will be considered as part of the clinical evaluation.</p> <p>Students must successfully complete all related didactic and clinical/sim requirements in all sections of this course to pass the course.</p> <p>Pre-requisite: NUR 216, NUR 216C, NUR 214, NUR 218, NUR 218C, SOC 210, PSY 208</p> <p>Co- Requisites: NUR 223, NUR 223C & NUR 222, NUR 224, NUR 225</p> <p>Previous Course Code: NUR 220 (Not equivalent without NUR 223/223C)</p>	Lab		(NUR 216 AND NUR 216C AND NUR 214 AND NUR 218 AND NUR 218C AND PSY 208 AND SOC 210) Or ((SOC 210 AND PSY 208 AND NUR 200 AND NUR 215))	(NUR 223 AND NUR 223C)
NUR 224	Preparing for Professional Practice	2	<p>This course integrates the Nurse of the Future Nursing Core Competencies (NOFNCC) to theories, principles of nursing leadership and management, politics, and healthcare policies. Students will more deeply explore current nursing trends, legal, ethical and professional issues from the perspective of providing safe quality evidenced-based collaborative care. Nursing licensure policies and procedures are studied. Nursing role and responsibilities of accountability, advocacy, informed consent, delegation and supervision are more completely addressed. Nursing research, research types and methods are discussed. Students will have an opportunity to provide evidence emerging clinical judgment through reflective writing, case studies and a research project.</p> <p>Pre-requisite: NUR 216, NUR 216C, NUR 214, NUR 218, NUR 218C, SOC 210, PSY 208</p> <p>Co Requisites: NUR 223, NUR 223C, NUR 223L, NUR 222, NUR 225</p> <p>Previous Course Code: NUR 217 (Not equivalent without NUR 225)</p>	Lecture		(NUR 218C AND NUR 218 AND NUR 216C AND NUR 216 AND NUR 214 AND PSY 208 AND SOC 210) Or ((SOC 210 AND PSY 208 AND NUR 200 AND NUR 215))	

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NUR 225	Preparing for NCLEX - RN	1	Students will participate in the ATI Capstone course, including content mastery, a live review and ongoing virtual content review. Satisfactorily meeting all ATI course benchmarks and completing all ATI course assignments is a requirement for graduation from the ADN program. Student are required to complete all components of the review, according to the ATI Capstone agreement. The ATI Capstone Content Review will include content assessment, remediation and final proctored assessments that provide additional resources and information to guide students to NCLEX-RN readiness. The grade for this course will be determined by completion of all assignments, student engagement and participation in the course. Pre-requisite: NUR 216, NUR 216C, NUR 214, NUR 218, NUR 218C, SOC 210, PSY 208 Co Requisites: NUR 223, NUR 223C, NUR 223L, NUR 222, NUR 224 Previous Course Code: NUR 217 (Not equivalent without NUR 224)	Lecture		(NUR 214 AND NUR 216 AND NUR 216C AND NUR 218 AND NUR 218C AND PSY 208 AND SOC 210) Or ((SOC 210 AND PSY 208 AND NUR 200 AND NUR 215))	
NUR 299	Nursing Independent Study	2	NUR 299 is an independent study which allows the student the opportunity to pursue an in-depth examination into the realm of patient- and family-centered care as it relates to quality, risk, and safety. This course focuses on the special population of patients with various forms of dementia. This course utilizes directed learning modules covering topics which include communication, teamwork, handling of adverse events, data analysis, and quality improvement processes using PDSA cycles. The students will apply knowledge gained from the learning modules to complete case study assignments.	Lecture		(NUR 218)	
NUR 299B	Nursing Independent Study	1	NUR 299B is an independent study which allows the student the opportunity to pursue an in-depth examination into the realm of patient- and family-centered care as it relates to quality, risk, and safety. This course focuses on the special population of patients with various forms of dementia. This course utilizes directed learning modules covering topics which include communication, teamwork, handling of adverse events, data analysis, and quality improvement processes using PDSA cycles. The students will apply knowledge gained from the learning modules to complete case study assignments.	Lecture		(NUR 216 AND NUR 216C AND NUR 214 AND NUR 218 AND NUR 218C AND PSY 208)	(NUR 222AND NUR 223AND NUR 223LAND NUR 223CAND NUR 224AND NUR 225)
NUR 302	Transition in Nursing	1	This is an introductory bridge course that provides the Associate Degree prepared nurse core theories and related concepts which will facilitate the transition of student into baccalaureate nursing curriculum. This course introduces the student to key concepts for baccalaureate success including the AACN Essentials of Baccalaureate for Professional Nursing Practice, Quality and Safety in Nursing Education Competencies and Nurse of the Future. Examples include review of key policies, introduction and review of scholarly work, introduction to evidence-based practice and interprofessional development.	Lecture			
NUR 322	Health Policy and Finance	3	Health Policy and Finance course provides students with an overview of contemporary health policy, healthcare delivery systems, and offers an introductory understanding of economic and financial management concepts, techniques, and vocabulary as they apply to health care organizations. Health disparities and the evolving healthcare system have a profound impact on the nursing profession. Nursing students develop a greater understanding of the social, political, cultural, and financial variables affecting health care outcomes, including nursing practice. Students learn to analyze health care policy while they explore a wide range of modes of healthcare provision such as hospitals, clinics, medical offices, long-term care facilities and government healthcare institutions. The effect of current health care policy on vulnerable populations is examined. Students will also explore the role of private insurance providers, government healthcare programs, the biotech/pharmaceutical industry, medical research in healthcare provision and its impact on the healthcare consumer. Students participate in healthcare policy discussions as patient advocates and consumers of healthcare. Students will gain an appreciation for the roles of financial and cost-based approaches to strategic management of all types of entities within the medical field. Previous Code: NUR 321, NUR 320 Pre-requisite: NUR 302	Lecture			
NUR 326	Community and Public Health Nursing	3	NUR 326 provides students with an overview of the role of the nurse, as part of an interprofessional team, in community and public health nursing. Physical, socio-economic, and environmental factors affecting public health is explored. The role of the professional nurse in health promotion, disease prevention, and management of chronic health problems in community settings is examined. Nursing and public health concepts will provide a theoretical base for the care of families, aggregates, communities, and populations. An online simulation program will be used to augment the course material. This course will be followed by a practicum in a community setting.	Lecture			

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NUR 421	Evidence Based Practice in Nursing	3	NUR 421 provides the student with the basic knowledge of the research process and the significance of evidence-based nursing research within nursing practice and education. Qualitative, quantitative, and mixed research methodologies will be explored, along with research designs and methods. Students will learn to retrieve research studies; determine credibility of sources; and determine the relevance of the information to nursing practice. Students will learn the nurse's role in research and the process for bringing new knowledge and skills into various clinical practice settings. Codes of conduct and laws protecting human subjects will be studied.	Lecture			
NUR 430	Nursing Informatics	3	NUR 430 focuses on concepts related to informatics in nursing practice. Nursing informatics combines knowledge and skills from the field of nursing, computer science, and information technology. Students will explore nurses' roles in providing safe patient-centered care in the environment of advancing technology as it relates to the management and communication of data. Students will examine different health information systems as they relate to the nursing process, safe medication administration, and privacy and security. The role of informatics in quality improvement patient outcomes will be examined.	Lecture			
NUR 450	Nursing Leadership, Management, and Policy	3	NUR 450 focuses on the functions of leadership and management within the health care environment. Leadership qualities such as communication skills and professionalism are examined. Legal, regulatory and professional standards related to quality health care in nursing practice are presented. Leadership and organizational behavior theories are explored. Content includes financial management, change processes, team building, outcome measurement, and performance evaluation. Students will examine and debate current health care policies and legislation. An online simulation program may be used to augment the course material. This course will be followed by a practicum.	Lecture		(NUR 302)	
NUR 450B	Nursing Leadership and Management	3	NUR 450 focuses on the functions of leadership and management with the health care environment. Leadership qualities such as communication skills and professionalism are examined. Legal, regulatory, and professional standards related to quality health care in nursing practice are presented. Leadership and organizational behavior theories are explored. Content includes financial management, change processes, team building, outcome measurement, and performance evaluation. Pre-requisite: NUR 302 Previous Course Code: NUR 450	Lecture		(NUR 302)	
NUR 499	Nursing capstone	3	The nursing capstone provides the student with an opportunity to apply nursing knowledge, skills, and attitudes learned in the RN to BSN program in a clinical setting. The course guides the student to prepare and submit a comprehensive project documenting educational, professional, and life experiences. The practicum will consist of approximately 45 hours spread out over 7 weeks. This course is taken in the last term of the student's program. Pre-requisite: NUR 302, NUR 322 (NUR 321), NUR 326, NUR 421, NUR 430	Lecture		(NUR 302 AND NUR 326 AND NUR 421 AND NUR 430) And (NUR 322 OR NUR 321)	
POL 300	Terrorism	3	This course will explore the fundamental elements that, combined, justify people as terrorists and actions as terrorism. Students will explore both domestic and international terrorist groups and events, motivations, and government response. Emphasis will be placed on public policy implications associated with the challenges of protecting a nation-state against terrorist organizations and activities.	Lecture	Credits/Hours Required 45.00/0.00		
POL 400	Resiliency and Sustainability	3	Since the events of 9/11 and changes to our environment, such as climate change and population growth, our world has become one of extreme, evolving, and fractured events. This has led to a greater focus on being resilient by preparing to mitigate and recover from events to maintain some degree of long term stability and sustainability. Additionally, intense focus has been placed on the nexus between resilient and sustainable development in countering violent extremism. This course will explore these areas and help students understand both the theoretical and practical as they relate to policy and activities undertaken on a local, national, and international level.	Lecture	Credits/Hours Required 60.00/0.00		
PSY 201	Abnormal Psychology	3	This course provides an in-depth study of the wide range of ways in which personality and behavior may become disordered. Selected clinical syndromes are reviewed, including neuroses/anxiety disorders, character or personality disorders, schizophrenia, and clinical depressive disorders. Selected therapeutic issues and evidence and theories concerning treatment alternatives are studied.	Lecture		(PSY 101)	
PSY 205	Addiction and Society	3	This course focuses on the study of how a variety of substances in society may lead to the development of addictive behavior in men and women. The addictive process and current theories are investigated, including principles of individual differences, behavior consistence, and the influence of biological and sociocultural variables upon substance-using behavior. A variety of addictions are reviewed, including, but not limited to, alcohol, illicit drugs, gambling, eating, and smoking.	Lecture		(PSY 101)	

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PSY 208	Human Lifespan Development	3	This course provides a detailed review of child, adolescent, and adult development from conception to death. The following objectives are emphasized: (1) normal development milestones; (2) physical, cognitive, emotional, and social development; (3) common disabling conditions across the lifespan; and (4) factors influencing development such as cultural norms, family structure, education, socioeconomic status, wellness, geographical and housing location, and social/institutional structures. Special attention is given to sensory, perceptual, and motor development as the foundations for mature cognition, social skills, and emotional attachments.	Lecture	Test Optional Rule: 1(Min Required:1) English Placement (Score) >=101	(ENG 099A) Or (ENG 101) Or (ENG 102) Or (NUR 100) Or (PSY 101)	
PSY 210	Creativity and Madness	3	This course will explore the link between art, the people who create it, and mental illness and addiction. Students will explore the works of writers, musicians, designers, thespians, and visual artists while contemplating the date which supports the theory that artists are predisposed to psychological and mental health concerns. This course will focus on how we, as industry professionals, can best prepare for working with artists in our field.	Lecture		(PSY 101) Or (SOC 101)	
PSY 240	Psychology of Fashion	3	The Psychology of Fashion examines the importance of dress and its influence on human behavior. Topics include the cultural, social, psychological, economic, and aesthetic impacts of clothing to today's society. Concepts and theories from social psychology will be used to study how dress reflects self-concept, establishes social identities, and affects interpersonal encounters.	Lecture			
PSY 301	Media Psychology	3	This course examines the effects of the media (radio, television, movies, Internet, social interaction media such as Facebook and Twitter, blogs, texting, newspapers...) on society today. The course discusses these effects on children, relationships, mental and physical health and general societal behavior. It will also examine women, minorities and elderly presentations in the media. Students will learn about various psychological theories that explain how we relate to and are influenced by media. The course will discuss also topics related to how fashion, mental and physical health, violence, crime investigation and the judicial system are presented in the media and the consequences of these presentations. Students will also learn about the utilizations of psychology in advertising, fashion and movies.	Lecture		(ENG 102 AND PSY 101)	
PTA 100A	Fundamentals of Patient Care	3	This course introduces students to bacteriology, parasitology, mycology and virology. The course will discuss classification, morphology and metabolism of microorganisms with focus on biological principles and the effects on human systems. Topics on host defenses, epidemiology, and approaches to diagnosis, treatment, and prevention of diseases are included. Co-requisites: PTA 100L Equivalent: PTA 101A (Only with PTA 100L)	Lecture			(PTA 100L)
PTA 100L	Fundamentals of Patient Care Lab	1	This course allows practical application of knowledge introduced in the Fundamentals of Patient Care lecture course. Physical therapy patient care concepts and skills such as safety, infection control, vital signs, body mechanics, bed mobility and positioning, draping, transfer training, basic gait training with assistive devices, including wheelchair management and mobility, are covered. Students must successfully complete all related lecture and lab requirements in order to pass this course. Co-requisites: PTA 100A Equivalent: PTA 101A (Only with PTA 100A)	Lab			(PTA 100A)
PTA 104	PTA Seminar I	1	This seminar assists the PTA student in applying didactic knowledge presented in the first semester of the PTA program to the practice of physical therapy utilizing current models of health care practice. A problem-based learning approach will be used to guide the student in developing critical thinking skills to synthesize information from Anatomy and Physiology, Soft Tissue Techniques and Modalities and the Introduction to Physical Therapy courses. Students will identify areas of academic and professional need and, develop, implement and assess their plan to meet those needs. Students begin to develop a Service Learning Project which will be continued throughout the seminar course series. All PTA first semester students are required to take this seminar course.	Lecture			(PTA 101AAND PTA 212AAND BIO 201A)
PTA 105	PTA Professional Development I	1	This course assists students in applying didactic knowledge presented in the first semester of the PTA Program to the practice of physical therapy utilizing current models of health care practice. It uses a problem-based learning approach to guide the student in developing critical thinking skills to synthesize information from corequisite courses. Major assessments require students to identify areas of academic and professional need, and develop, implement, and assess their plan to meet those needs. All PTA first semester students are required to take this Professional Development course. Co-requisites: ENG 206, BIO 204, BIO 204L, PSY 208, PTA 109L, PTA 100A & PTA 100L Previous Equivalent: PTA104	Lecture			

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PTA 109L	Clinical Applications I Lab	1	This course applies case-based learning to practice and refine skills previously learned by the beginning student. The beginning student's understanding of clinical operations, the PT/ PTA relationship, and the role of the healthcare provider team is emphasized. The synthesis of laboratory skills and didactic content is fostered, through active learning strategies, to support the student's development of clinical decision making. The student is expected to demonstrate the ability to utilize previously learned skills as well as content from this course in a final practical exam. Progression in the PTA program requires the student to successfully pass the final practical exam. Co-requisites: ENG 206, BIO 204, BIO 204L, PSY 208, PTA 105, PTA 100A & PTA 100L	Lab			
PTA 120	Assessment and Measurement	3	This course explores assessment within the scope of PTA practice for application to the progression of rehabilitation programs throughout the continuum of care. Learners consider patient needs, the impact of cultural and individual diversity, health care settings, and reimbursement constraints while expanding skills in patient/family communication and teaching. Students demonstrate acquired knowledge and skills in the corresponding learning laboratory course. Students must successfully complete all related lecture and lab requirements in order to pass this course. Co-requisites: BIO 205, BIO 205L, PTA 120L, PTA 122A, PTA 126, PTA 126L, PTA 125, & PTA 159L Pre-requisites: ENG 206, BIO 204, BIO 204L, PSY 208, PTA 105, PTA 109L, PTA 100A, & PTA 100L Equivalence: PTA 121A (ONLY with PTA 120L)	Lecture		(PTA 105 AND PTA 109L AND PTA 101A AND PTA 101L) Or (PTA 121A AND PTA 122 AND PTA 123A AND PTA 124)	(PTA 120L)
PTA 120L	Assessment and Measurement Lab	1	This course allows for the practice and expansion of skills introduced in the Assessment and Measurement Lecture course including those of goniometry, stretching techniques, anthropometrics, neurological assessment of cranial nerves, reflexes, dermatomes, myotomes, coordination, proprioception, and balance. Students will demonstrate competency in psychomotor skills for assessment by the end of this lab. Students must successfully complete all related lecture and lab requirements to pass this course. Co-requisites: BIO 205, BIO 205L, PTA 120, PTA 122A, PTA 126, PTA 126L, PTA 125, & PTA 159L Pre-requisites: ENG 206, BIO 204, BIO 204L, PSY 208, PTA 105, PTA 109L, PTA 100A, & PTA 100L Equivalence: PTA 121A (ONLY with PTA 120)	Lab		(PTA 105 AND PTA 109L AND PTA 100A AND PTA 100L) Or (PTA 121A AND PTA 122 AND PTA 123A AND PTA 124)	(PTA 120)
PTA 121A	PT Assessment and Measurement	4	Students gain an understanding of the PT and PTA roles in patient assessment and its importance in guiding the provision of quality, cost-effective care. Students learn to assess the following: segmental length, girth and volume, vital signs, edema, skin condition, joint range (goniometry), sensation, reflexes, balance, posture, and pain. Assessment of home and work environments is also introduced. In addition, students gain further training and experience in documentation and prepare for the first clinical experience. This course includes a 2 hour, 50 minute lab.	Lecture/Lab		(PTA 121A AND BIO 201A AND PTA 101A AND PTA 104)	(BIO 202AAND PTA 123AAND PTA 124AND PTA 122)
PTA 122	Clinical Pathologies	3	This course introduces students to broad categories of diseases, disorders and injuries within the framework of the Guide to Physical Therapy Practice and the WHO Classification of functioning, disability and health. Students learn about disease processes and understand components of neuromuscular, musculoskeletal, integumentary, cardiopulmonary, immunological, and general medical pathologies through the lifespan. Consideration of culture, gender and age is discussed.	Lecture		(PTA 121A AND BIO 201A AND PTA 101A AND PTA 104)	(BIO 202AAND PTA 121AAND PTA 123AAND PTA 124)
PTA 122A	Clinical Pathologies	3	This course introduces students to various pathologies throughout the lifespan, using a clinical systems-based approach. Topics include: the etiology, signs, symptoms, treatment, and physical therapy implications of these pathologies, concepts of the ICF model and how these pathologies may correlate to potential societal limitation and disability. Students are expected to be active learners and will complete an investigative research project. Co-requisites: BIO 205, BIO 205L, PTA 120, PTA 120L, PTA 126, PTA 126L, PTA 125, & PTA 159L Pre-requisites: ENG 206, BIO 204, BIO 204L, PSY 208, PTA 105, PTA 109L, PTA 100A, & PTA 100L Equivalence: PTA 122	Lecture		(PTA 105 AND PTA 109L AND PTA 100A AND PTA 100L) Or (PTA 121A AND PTA 122 AND PTA 123A AND PTA 124)	
PTA 123A	Kinesiology	4	This course reviews anatomy of the extremities and spine with emphasis on muscle and nerve distributions. The course is designed to teach students joint and muscle function as they apply to human movement and musculoskeletal function. Kinesiology utilizes principles of mechanics, musculoskeletal physiology, and neuromuscular physiology. Students learn manual muscle testing as part of this course. This course includes a 2 hour, 50 minute lab.	Lecture/Lab		(PTA 121A AND BIO 201A AND PTA 101A AND PTA 104)	(BIO 202AAND PTA 121AAND PTA 124AND PTA 122)

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PTA 124	PTA Seminar II	1	This seminar assists the PTA student in applying didactic knowledge presented in the second semester of the PTA program to the practice of physical therapy utilizing current models of health care practice. A problem-based learning approach will be used to guide the student in developing critical thinking skills to synthesize information from Anatomy and Physiology, Introduction to Physical Therapy, Kinesiology, PT Assessment and Measurement and Soft Tissues Techniques and Modalities courses. Students will identify areas of academic and professional need, develop, implement and assess their plan to meet those needs. Students continue to work on their Service Learning Project which will continue throughout the seminar course series. All PTA second semester students are required to take this seminar course.	Lecture		(PTA 121A AND PTA 101A AND PTA 104 AND BIO 201A)	(BIO 202AAND PTA 121AAND PTA 123AAND PTA 122)
PTA 125	PTA Professional Development II	1	Continues concepts introduced in PTA Professional Development I with expansion of expectations for ethical standards and professional behavior. Learners explore the role of the PTA within the continuum of care. Topics include health disparities, health literacy, advocacy, cultural, bias and discrimination. Emphasis remains on evidence-based practice. Course assessments continue to build students identification of academic and professional needs and implement their plan to meet those needs. Co-requisites: BIO 205, BIO 205L, PTA 120, PTA 120L, PTA 122A, PTA 126, PTA 126L, & PTA 159L Pre-requisites: ENG 206, BIO 204, BIO 204L, PSY 208, PTA 105, PTA 109L, PTA 100A, & PTA 100L Equivalence: PTA 124	Lecture		(PTA 100A AND PTA 100L AND PTA 105 AND PTA 109L) Or (PTA 121A AND PTA 122 AND PTA 123A AND PTA 124)	
PTA 126	Kinesiology for the PTA	3	This course examines joint structure and muscle function as it applies to human movement. Students apply comprehensive understanding of musculoskeletal anatomy and biomechanics for analysis of human posture, movement, gait and apply concepts of therapeutic exercise to cases presented in the continuum of care. A movement analysis presentation is required. Learners can demonstrate acquired knowledge and skills in the corresponding laboratory course. Students must successfully complete all related lecture and lab requirements in order to pass this course. Co-requisites: BIO 205, BIO 205L, PTA 120, PTA 120L, PTA 122A, PTA 126L, PTA 125, & PTA 159L Pre-requisites: ENG 206, BIO 204, BIO 204L, PSY 208, PTA 105, PTA 109L, PTA 100A, & PTA 100L Equivalence: PTA 123A (ONLY with PTA 126L)	Lecture		(PTA 101A AND PTA 101L AND PTA 105 AND PTA 109L) Or (PTA 121A AND PTA 122 AND PTA 123A AND PTA 124)	(PTA 126L)
PTA 126L	Kinesiology for the PTA Lab	1	This lab course allows for the practice and expansion of skills introduced in the Kinesiology for the PTA Lecture course including those for palpation, soft tissue mobilization, manual muscle testing, gait analysis, and prescription of therapeutic exercise. Students will demonstrate competency in psychomotor skills for assessment by the end of this lab. Students must successfully complete all related lecture and lab requirements to pass this course. Co-requisites: BIO 205, BIO 205L, PTA 120, PTA 120L, PTA 122A, PTA 126, PTA 125, & PTA 159L Pre-requisites: ENG 206, BIO 204, BIO 204L, PSY 208, PTA 105, PTA 109L, PTA 100A, & PTA 100L Equivalence: PTA 123A (ONLY with PTA 126)	Lab		(PTA 100L AND PTA 100A AND PTA 105 AND PTA 109L) Or (PTA 121A AND PTA 122 AND PTA 123A AND PTA 124)	(PTA 126)
PTA 140	Clinical Experience I	6	This is the first of two clinical experiences required in the program. The Academic Coordinators of Clinical Education schedule students for a clinical experience location and time frame. The time frames for Clinical Experience I normally occur anytime during the summer months. Students are given the opportunity to apply skills and knowledge learned in the first two semesters of class and lab to a clinical setting. Students begin treating patients under appropriate clinical supervision. Clinical Experience I is a full-time experience of 8 weeks in duration.	Clinical		(PTA 124 AND PTA 121A AND PTA 123A AND BIO 202A AND PTA 122)	
PTA 140C	Clinical Experience I	6	Places the learner in a clinical setting to utilize skills in provide direct patient care under the supervision of a Clinical Instructor. Student performance is fostered weekly through use of SMART goals, instructor feedback, and class discussion fostering learning through direct application of the reflective process. Students are expected to progress clinical application skills toward intermediate level benchmarks. Students must complete all course requirements including meeting course benchmarks on CPI and Inservice rubric in addition to timely submission of all required weekly documents to pass this course. Co-requisites: PTA 202L, PTA 203L, BIO 107, & PTA 210 Pre-requisites: BIO 205, BIO 205L, PTA 120, PTA 120L, PTA 122A, PTA 126, PTA 125, & PTA 159L Equivalence: PTA 140	Clinical		(PTA 120 AND PTA 120L AND PTA 122A AND PTA 126 AND PTA 126L AND PTA 125 AND PTA 159L) Or (PTA 121A AND PTA 122 AND PTA 123A AND PTA 124)	

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PTA 159L	Clinical Applications II Lab	1	This lab course applies case-based learning to practice and refine skills learned by the advanced beginner student. The student's understanding of clinical operations, the PT/PTA relationship, and the role of the healthcare provider team are emphasized. A synthesis of laboratory skills and didactic content is fostered, through active learning strategies, to support the student's development of clinical decision making. The student is expected to demonstrate the ability to utilize previously learned skills and content in a final practical exam. Progression in the PTA program requires the student to successfully pass the final practical exam. Co-requisites: BIO 205, BIO 205L, PTA 120, PTA 120L, PTA 122A, PTA 126, PTA 126L, & PTA 125 Pre-requisites: ENG 206, BIO 204, BIO 204L, PSY 208, PTA 105, PTA 109L, PTA 100A, & PTA 100L	Lab		(PTA 100A AND PTA 100L AND PTA 105 AND PTA 109L) Or (PTA 121A AND PTA 122 AND PTA 123A AND PTA 124)	
PTA 202L	Therapeutic Exercise Lab	1	This lab course utilizes case-based learning to explore understanding of selection and instruction of interventions using therapeutic exercise. The final assessment for this course will be a comprehensive practical experience completed in combination with the co-requisite Biophysical Agents Lab course. Students must pass this assessment to pass the course and progress in the PTA program. Co-requisites: PTA 203L, PTA 210, BIO 107, & PTA 140C Pre-requisites: BIO 205, BIO 205L, PTA 120, PTA 120L, PTA 122A, PTA 126, PTA 125, & PTA 159L	Lab		(PTA 120 AND PTA 120L AND PTA 122A AND PTA 126 AND PTA 126L AND PTA 125 AND PTA 159L) Or (PTA 121A AND PTA 122 AND PTA 123A AND PTA 124)	
PTA 203L	Biophysical Agents Lab	1	This lab course utilizes case-based learning to explore understanding of indications/contraindications for selection and safe application of interventions using biophysical agents. Neurophysiology of pain will be discussed. The final assessment for this course is a comprehensive practical experience completed in combination with the co-requisite Therapeutic Exercise Lab course. Students must pass this assessment to pass the course and progress in the PTA program. Co-requisites: PTA 202L, PTA 210, BIO 107, & PTA 140C Pre-requisites: BIO 205, BIO 205L, PTA 120, PTA 120L, PTA 122A, PTA 126, PTA 125, & PTA 159L	Lab		(PTA 120 AND PTA 120L AND PTA 122A AND PTA 126 AND PTA 126L AND PTA 125 AND PTA 159L) Or (PTA 121A AND PTA 122 AND PTA 123A AND PTA 124)	
PTA 210	Introduction to Neuroscience for the PTA	1	Covers an introduction to the physical therapy treatment of neuromuscular conditions. Topics include motor control, motor learning, motor development throughout the lifespan, and health care management for the neurologically involved population. Students are expected to be active learners and complete child and adult observation papers and on online journal club video. Students must successfully complete all related didactic requirements in order to pass this course. Co-requisites: PTA 202L, PTA 203L, BIO 107, & PTA 140C Pre-requisites: BIO 205, BIO 205L, PTA 120, PTA 120L, PTA 122A, PTA 126, PTA 125, & PTA 159L	Lecture		(PTA 120 AND PTA 120L AND PTA 122A AND PTA 126 AND PTA 126L AND PTA 159L AND PTA 125) Or (PTA 121A AND PTA 122 AND PTA 123A AND PTA 124)	
PTA 212A	Soft Tissue Techniques and Modalities	4	Student are introduced to the biopsychosocial model of care and contemporary pain neurophysiology. They learn anatomical palpation, passive and dynamic stretching, and soft tissue manual therapy principles and application. Students learn soft tissue techniques such as massage and basic myofascial release. The course also covers the indications, contradictions, and application of modalities including ultrasound, electrical stimulation, thermal agents, traction, biofeedback, and hydrotherapy. Students gain skills in documentation related to the course content area. This course includes a 2 hour, 50 minute lab	Lecture/Lab			(PTA 101AAND PTA 104AND BIO 201A)
PTA 213A	Musculoskeletal PT Intervention	4	This course covers the physical therapy treatment of musculoskeletal conditions. Students learn the principles of therapeutic exercise within the context of a holistic patient plan. Emphasis is placed on the integration of exercise regimes into patient care plans for a variety of patient populations, including geriatric and pediatric. Concepts of orthotic and prosthetics use are explored in relationship to the patient with orthopedic, musculoskeletal conditions and lower extremity amputations. Students will learn and apply documentation skills necessary for thorough and defensible continuity of care. This course includes a 2 hour, 50 minute lab.	Lecture/Lab		(PTA 140)	(PTA 215AAND PTA 217AND PTA 216A)
PTA 215A	Cardiopulmonary PT Intervention	4	This course covers physical therapy assessment and treatment of cardiac, vascular and pulmonary conditions. Students learn theories of clinical assessment and management and the major therapeutic strategies and skills used in the treatment of patients with cardiopulmonary conditions. Students also learn documentation skills related to the course content area. This course includes a 2 hour, 50 minute lab.	Lecture/Lab		(PTA 140)	(PTA 213AAND PTA 216AAND PTA 217)
PTA 216A	Neuromuscular PT Intervention	4	This course covers physical therapy treatment of neuromuscular conditions across the lifespan. Students learn theories of motor control and the major therapeutic strategies and skills used in the assessment and treatment of patients with neuromuscular conditions. Basic pediatric neurological/development treatment techniques are also covered. Students learn appropriate intervention techniques for all age populations. Students also learn documentation skills related to the course content area. This course includes a 2 hour, 50 minute lab.	Lecture/Lab		(PTA 140)	(PTA 213AAND PTA 215AAND PTA 217)

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PTA 217	Senior Seminar I	1	This course is designed to assist students in understanding the connection between the physical therapy interventions taught in each of the PT practice pattern courses. Students will assimilate information from each of their courses through case studies and the review of evidenced based practice. Students will have the opportunities to practice and refine practical application techniques while exploring the rationale for chosen techniques. Students continue to work on their Service Learning Project which will continue throughout the seminar course series.	Lecture		(PTA 140)	(PTA 213AAND PTA 215AAND PTA 216A)
PTA 221	Senior Seminar II	4	This course is divided into three units: (1) Physical Therapy Management for Special Patient Populations: Students learn to integrate and adapt the knowledge and skills gained in previous coursework to the treatment of some special patient populations. This unit covers topics of special interest to the students including, but not limited to, women's health issues, wheelchair and seating fitting, lymphatic drainage, vestibular dysfunction, pediatrics, advanced orthopedic manual techniques, healthcare ethics, pharmacology, research, orthotic and prosthetic fitting. (2) Comprehensive Physical Therapy Management: This unit challenges students to apply evidenced-based practice, problem-solving and analytical thinking to answer questions and develop solutions to problems relating to specific patient scenarios. It requires students to integrate learning experiences from the entire curriculum and Clinical Experiences I and II. (3) Professional Preparation: This unit assists students to prepare to enter the profession of physical therapy. Topics include resume and cover letter writing, interview skills, preparing professional presentations, licensure requirements, and a review of the legal aspects of physical therapy delivery. Students will be required to present their Service Learning Projects. This course is compressed into 4 weeks and takes place after the students complete Clinical Experience II.	Lecture		(PTA 217 AND PTA 213A AND PTA 215A AND PTA 216A)	(PTA 260)
PTA 223	Musculoskeletal Physical Therapy Interventions	2	This course covers physical therapy treatment of musculoskeletal conditions. Content builds upon Kinesiology for the PTA, Therapeutic Exercise Lab, and previous PTA course concepts. Topics covered in this course include the provision of musculoskeletal interventions with diverse populations and across the lifespan within the continuum of care. Student will learn the indications and contraindications of interventions. Completion of class discussion, individual and group work, and regular creation of treatment plans will be expected of students. Students will have the opportunity to demonstrate acquired knowledge and skills in the corresponding learning laboratory course. Students must successfully complete all related lecture and lab requirements in order to pass this course. Co-requisites: PTA 223L Equivalence: PTA 213A (Only with PTA 223L)	Lecture			(PTA 223L)
PTA 223L	Musculoskeletal Physical Therapy Interventions Lab	1	This lab course provides an examination of the psychomotor skills necessary to provide interventions for patients with musculoskeletal impairments. Content aligns with the information presented in Musculoskeletal Interventions Lecture course. Students must perform and execute psychomotor skills to competency, while maintaining critical safety elements of patient care. Students must successfully complete all related lecture and lab requirements in order to pass this course. Co-requisites: PTA 223 Equivalence: PTA 213A (Only with PTA 223)	Lab			(PTA 223)
PTA 225	Cardiopulmonary Physical Therapy Interventions	2	This course covers physical therapy treatment of cardiopulmonary conditions. Content builds upon Fundamentals of Patient Care, Clinical Pathologies, and previous PTA course concepts. Topics covered include the provision of cardiopulmonary interventions with diverse populations and across the lifespan within the continuum of care. Student will learn the indications and contraindications of interventions. Completion of class discussion, individual and group work, and regular creation of treatment plans will be expected of students. Students will have the opportunity to demonstrate acquired knowledge and skills in the corresponding learning laboratory course. Students must successfully complete all related lecture and lab requirements to pass this course. Equivalence: PTA 215A (Only with PTA 225L) Co-requisites: SOC 210, PTA 235, PTA 223L, PTA 225L, PTA 225L, PTA 226, PTA 226L, PTA 239L Pre-requisites: AP I lecture/ lab, AP II lecture/ lab, PSYCH 210, nutrition, Semester 1-3 PTA coursework	Lecture		(BIO 204 AND BIO 204L AND BIO 205 AND BIO 205L AND PSY 208)	(PTA 225L)

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PTA 225L	Cardiopulmonary Physical Therapy Interventions Lab	1	This lab course allows for examination of the psychomotor skills necessary to provide interventions for patients with cardiopulmonary impairments. Content aligns with the information presented in Cardiopulmonary Interventions Lecture course. Students must perform and execute psychomotor skills to competency, while maintaining critical safety elements of patient care. Students must successfully complete all related lecture and lab requirements in order to pass this course. Equivalence: PTA 215A (Only with PTA 225) Co-requisites: SOC 210, PTA 235, PTA 223, PTA 223L, PTA 225, PTA 226, PTA 226L, PTA 239L Pre-requisites: BIO 204/BIO 204L, BIO 205/BIO 205L, PSY 208, Semester 1-3 PTA coursework	Lab		(BIO 204 AND BIO 204L AND BIO 205 AND BIO 205L AND PSY 208)	(PTA 225)
PTA 226	Neuromuscular Physical Therapy Interventions	2	This course covers physical therapy treatment of neuromuscular conditions. Content builds upon Introduction to Neuroscience for the PTA Course and previous PTA course concepts. Topics covered in this course include the provision of neuromuscular interventions with diverse populations and across the lifespan within the continuum of care. Student will learn the indications and contraindications of interventions. Completion of class discussion, individual and group work, and regular creation of treatment plans will be expected of students. Students will have the opportunity to demonstrate acquired knowledge and skills in the corresponding learning laboratory course. Students must successfully complete all related lecture and lab requirements to pass this course. Equivalence: PTA 216A (Only with PTA 226L) Co-requisites: PTA 226L	Lecture			(PTA 226L)
PTA 226L	Neuromuscular Interventions Lab	1	This lab course provides an examination of the psychomotor skills necessary to provide interventions for patients with neuromuscular impairments. Content aligns with the information presented in Neuromuscular Interventions Lecture course. Students must perform and execute psychomotor skills to competency, while maintaining critical safety elements of patient care. Students must successfully complete all related lecture and lab requirements in order to pass this course. Equivalence: PTA 216A (Only with PTA 226) Co-requisites: PTA 226	Lab			(PTA 226)
PTA 235	PTA Professional Development III	1	Continues concepts introduced in PTA Professional Development I and II with expansion of expectations for ethical standards, professional behavior, and understanding the PTA's role within the continuum of care. Through problem-based learning students develop critical thinking skills to approach topics considering holistic patient centered care and aspects of fiscal management. Emphasis remains on evidence-based practice. Course assessments continue to build students identification of academic and professional needs and assess their plan to meet those needs. Equivalence: PTA 217	Lecture			
PTA 239L	Clinical Application III Lab	3	This course applies case-based learning to practice and refine skills previously learned by the advanced intermediate student. The synthesis of laboratory skills and didactic content is fostered, through active learning strategies, to support the student's development of clinical decision making. The advanced intermediate student's understanding of clinical operations, the PT/ PTA relationship, and the role of the healthcare provider team is emphasized. Students demonstrate their ability to utilize previously learned skills as well as content from this course in a final practical exam. Progression in the PTA program requires the student to successfully pass the final practical exam.	Lab			
PTA 245	PTA Professional Development IV	3	This course continues the concepts introduced in PTA Professional Development I, II, and III with expansion of expectations for ethical standards, professional behavior, and understanding the PTA's role within the continuum of care. Topics include comprehensive physical therapy management, specifically for complex patient scenarios, knowledge translation with clinical application of physical therapy research, PTA licensure, and career development. Through problem-based learning students develop critical thinking skills to approach special topics considering holistic patient centered care. Course assessments continue to build students identification of academic and professional needs and present their plan to meet those needs. Equivalence: PTA 221 Pre-requisites: BIO 204/BIO 204L, BIO 205/BIO 205L, ENG 206, PSY 208, BIO 107, Semester 1-4 PTA coursework Co-requisites: PTA 260C	Lecture		(BIO 204 AND BIO 204L AND BIO 205 AND BIO 205L AND BIO 107 AND ENG 206 AND PSY 208) Or (PSY 208 AND ENG 206 AND BIO 107 AND BIO 201A AND BIO 202A)	(PTA 260C)

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PTA 260	Clinical Experience II	7	This is the second/final of two clinical experiences required in the program. Students enter the second clinical experience after completing all practice pattern coursework. The purpose of the final clinical experience is to (1) ensure the achievement of entry-level skills, (2) ensure the safety of student interactions and activities while in the clinic, and (3) ensure that the student maintains a professional manner and demeanor in all clinical situations. As in the previous clinical education course, the student is provided with appropriate clinical supervision. By the end of this affiliation the student demonstrates full readiness to enter the profession of physical therapy. Clinical Experience II is a full-time experience of 10 weeks in duration.	Clinical		(PTA 217 AND PTA 213A AND PTA 215A AND PTA 216A)	(PTA 221)
PTA 260C	Clinical Experience II	7	This course places the learner in a clinic setting to utilize skills obtained in PTA coursework and to provide direct patient care under the supervision of a Clinical Instructor. Student performance is fostered weekly through use of SMART goals, instructor feedback, and class discussion, facilitating learning through direct application of the reflective process. Students are expected to progress clinical application skills to meet entry level benchmarks. Students must complete all course requirements including meeting course benchmarks on CPI and Inservice rubric in addition to timely submission of all required weekly documents. Equivalence: PTA 260 Pre-requisites: BIO 204/BIO 204L, BIO 205/BIO 205L, ENG 206, PSY 208, BIO 107, Semester 1-4 PTA coursework Co-requisites: PTA 245	Clinical		(BIO 204 AND BIO 204L AND BIO 205 AND BIO 205L AND BIO 107 AND ENG 206 AND PSY 208) Or (PSY 208 AND ENG 206 AND BIO 107 AND BIO 201A AND BIO 202A)	
REL 200	World Religions	3	This course will introduce students to the teachings and traditions of the world's major religions. Our modern world is home to an incredible diversity of religions, all of which have a profound influence on the way people live as well as how they make meaning of their life. Students will explore the fundamental wisdoms of the major religions and what they might suggest about the current condition and future direction of our modern world.	Lecture		(ENG 102)	
RN	Registered Nurse License	30	Valid RN license.	Lecture			
RSC 201	Research Methodology	3	In this course, students will be introduced to the general principles and techniques or social science research. Students will learn the difference between qualitative and quantitative data and how to critically evaluate research and literature. Sampling, evaluation methods, and survey research will be explored.	Lecture		(ENG 102)	
SCI 240	Textile Science	3	This course offers a comprehensive study geared to educating students in the behavior and performances of the materials used in today's consumer goods. This course serves as necessary background for those interested in buying and designing for retail positions where providing fabric information to the consumer is required. New and traditional technologies in manufacturing are surveyed.	Lecture			
SOC 206	Sociology of Deviance	3	This course will investigate crime and deviance from a sociological viewpoint. Students will examine some of the most pressing criminological issues of the day, including gangs, subculture and violence, and the effects of crime and deviance on society. These investigations will be viewed from the perspectives of four major criminological schools of thought: classical criminology, positivism, realist criminology, and radical criminology. Students will investigate the legitimacy of moral panics and the media portrayal of crime as it relates to social deviance.	Lecture		(SOC 101 AND ENG 102)	
SOC 207	American Diversity	3	This course will explore some of the many different groups that co-exist within America, particularly focusing on those who have suffered discrimination both historically and recently. Students will hear from authentic voices to understand the position of different religions and ethnicities from within the United States. Students will learn about theories of bias and discrimination, and will critically examine any stereotypes and biases with which they began the course. The course will address common stereotypes and misconceptions, their histories and their implications for the group and nation as a whole.	Lecture		(ENG 102 AND SOC 101)	
SOC 208	Poverty and Society	3	This course explores the history of urban, suburban, and rural poverty in American society and the political solutions proposed to address this social problem. Students will analyze the impact of poverty on individuals and communities, as well as the relationship between poverty and crime. This course will deconstruct stereotyped imagery of poverty presented in the media.	Lecture		(SOC 101 AND ENG 101) Or (SOC 101 AND ENG 102)	
SOC 210	Vulnerable Populations and Quality of Life	3	In this course, students will be given an overview of the United States health care system, challenges within the system, and treatment of vulnerable populations. This course will explore health disparities in terms of access to care in the United States, which has been identified as an area of emphasized research. This course examines health determinants and access to preventative efforts across social, cultural, and economic contexts. Students will also learn about bias and discrimination toward vulnerable populations.	Lecture		(ENG 102)	

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SOC 301	Diversity and Cultural Influences in Healthcare	3	This course will introduce students to a study of the dimensions and complexities involved in healthcare issues in an increasingly diverse culture, multifaceted political, and socioeconomic environment. The impact on communication, treatment, and patient care outcomes by such cultural phenomena in relation to health care issues will be examined. This course will explore health beliefs and practices among selected populations within and outside the United States.	Lecture			
SOC 302	Pop Culture and Society	3	This course explores, critiques, and defines pop culture from a sociological perspective. Pop culture-popular materials, products and textiles, television, consumerism, the Internet and social media, entertainment arts, celebrations and festivals, foods and beverages, social entertainment, books, occupations, science and medicine, among others-will be analyzed from for themes directly related to communications, persuasion, gender and sexuality, age, class, diversity, race and ethnicity, economy, globalization, government, entertainment, and general leadership. An examination of pop culture and its influences on society will be applied to global cultures and sub-cultures during any given era. The class will research and analyze, from a sociological perspective, a pop culture event or an item that shaped a society or subculture.	Lecture		(ENT 102 AND SOC 101)	
SOC 303	Technology and Society	3	This course will use advanced critical thinking skills in analyzing what it means to be human in an age when technology changes rapidly. Classical and contemporary sociological theories will be used to analyze the influence of technology on utopias and dystopias, fictional and actual; social and hard science's changes in research and uses of technology in experiments; and psychological and sociological perspectives on society's expectations of technology uses for socializations and communication. Moreover, students will examine the effects of technology on government, war, social welfare, gender and sexuality, pharmacology and performance enhancement drugs, religion, morality and ethics, law and policies and who and what will regulate technologies as new dilemmas arise. Students will identify contemporary patterns if human response to technology as well as potential future outcomes affecting such issues as social media, cloning, privacy, crime, medicine, marketing and consumerism, social class, entertainment and media.	Lecture		(ENG 102 AND SOC 101)	
SOC 309	Feminist Thought	3	Feminist theory questions the presupposed differences between men and woman with regard to inequality, subordination, and the perpetual oppression of women. This course identifies and analyzes the history of feminism and the women's movement, and the changing perception of the word "feminism". This course will deconstruct stereotyped gender roles and the cultural images presented in the mass media for both men and women.	Lecture		(SOC 101)	
SOC 312	Race, Ethnicity and Criminal Justice	3	The goal of this course is to challenge students to critically examine sociological theories pertaining to race and ethnicity. Specific attention will be placed on the issues of race and ethnicity in the criminal justice system.	Lecture		(SOC 101)	
SOC 314	Community Advocacy Program	3	This course is a service learning practicum that will guide students in the development, management, and operation of an advocacy endeavor that will have the primary goals of service to the community and the advance of social justice. The course will draw expertise and resources from all academic departments as well as clubs on campus. The course will seek to create an advocacy endeavor that can be maintained and advanced from one semester to the next.	Lecture	Credits/Hours Required 30.00/0.00	(ENG 102)	
SOC 401	Contemporary Issues of Immigration in the United States	3	This course will examine issues related to immigration in the United States. Topics will include economic, social, sociological, and political factors related to immigration. Specific attention will be given to immigrants from Mexico, Latin America and Asia, including the Middle East.	Lecture		(SOC 101 AND SOC 207)	
WRI 204	Media Writing	3	This class is more about writing than it is about media. Good media writing is not possible without good writing. Therefore, with the help of William Zinsser's On Writing Well, we will concentrate on grammar, style, structure, clutter reduction, punctuation, and self-editing, as well as exploring the use of this good writing within the media.	Lecture		(ENG 102)	
WRI 259	Writing for Business	3	Formerly Business Communications, this course emphasizes the importance of personal and interpersonal relationships in becoming an effective member of an organization. Students work to improve the verbal, non-verbal, listening, writing, editing and proofreading skills necessary for success. Using Microsoft Word, students write various business documents to include formal business letters, business emails, cover letters, resumes, and memoranda. Interview techniques are also covered, along with a continuous review of grammar, punctuation, spelling, and word usage.	Lecture	Test Optional Rule: 1(Min Required:1) English Placement (Score) >=102	(ENG 101) Or (ENG 102)	