ALL COURSES

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ACS

ACS 102 THE COLLEGE EXPERIENCE OER OER NO COST TEXT BOOK 3.0 CREDITS

Prerequisite: No Prerequisite
This three-credit course, required of all new students in the first-semester is designed to provide students with the necessary tools for academic success in all subject areas. Students will explore learning strategies in all subject areas through extensive reading, writing, and classroom discussions. The course will also promote awareness of academic and student support resources available at RCC. Cultural awareness and appreciation are woven into the course. This course satisfies the College Survival Seminar requirement.
This course has been designated as having low or no cost course materials.

BMT

BMT 100 INTRO PROD & DIRECTING 3.0 CREDITS

Prerequisites: Placement in ENG 099 or higher
Corequisite: BMT 120
Designed for students interested in becoming a producer or director within the television industry. The financial, creative, and decision-making responsibilities associated with being a producer or a director is explored. Topics include, but are not limited to, directional decisions, special effects, use of music and music rights, time constraints and costs, copyrights, scripts, staging, and prop placement. Students will be required to develop, produce, and direct a short video project.

BMT 101 INTRODUCTION TO MEDIA STUDIES 3.0 CREDITS

Prerequisites: Placement in ENG 099 or higher
This course introduces and covers the most important topics in media through the prism of history, analytical thought and musings on the future of media; particularly, how media has influenced cultures (attitudes, behavior, and values) and technology worldwide.

BMT 110 TELEVISION PRODUCTION 3.0 CREDITS

Prerequisites: BMT 100; and BMT 120
Students learn to operate audio boards, video switchers, studio cameras, character generators, intercom systems, and various videotape machines. Hands-on training on state-of the-art equipment is emphasized. Assignments are designed to develop familiarity with video equipment so that it can be used effectively to visualize concepts, ideas, and stories.

BMT 120 VIDEO TECHNIQUES 3.0 CREDITS

Prerequisite: Placement in ENG 099 or higher
Corequisite: BMT 100
This course is designed to give students a basic overview of electronic field production and news gathering. Field cameras, microphones and microphone placement, audio mixing, editing, and lighting will be discussed. This is a hands-on course.

BMT 200 RADIO AND PODCAST PRODUCTION 3.0 CREDITS

Prerequisite: ENG 099 or ENG 101 (English Composition 1)
This course reviews includes students to the basic fundamentals of radio production and podcast creation. Through hands-on experience, students learn both the functionality and art of radio production elements from an announcing and operations perspective. The course also provides a technical and methodical understanding of the behind-the-scenes business of radio and introduces students to the communication competency of speech.

BMT 210 ADVANCED TV PRODUCTION 3.0 CREDITS

PREREQUISITE: BMT 110
This is an advanced course in television production theory and practicum. Emphasis is placed on the conceptualization, planning, and execution of advanced television programs. Students will learn and acquire practical experience in the Television Studio setting. The course will also include advanced level study of various television genres such as drama, sitcom, game shows, talk shows, magazine, and sports shows. Students will learn, through study, about historical television seasons and relationship to successful ventures. Students will develop, pitch and write their own television series, news and prospectus in addition to learning how to manage and run a television production studio. Student projects will be broadcast weekly via the Internal Cable Broadcast System and internet streaming.

BMT 230 INTRO.VIDEO EDITING 3.0 CREDITS

PREREQUISITE: BMT 120
This course is a continuation of BMT 120 Video Techniques. It introduces the basic skills and principles of video editing in the post-production stage. Students will be given a series of pre-produced videos to edit utilizing Apples Final Cut Express software application. Synchronization, audio mixing and dubbing, character generated graphics and sound or special effects will be discussed. Editing will involve mini-DV, DVCAM, DV, cuts only projects, although other video formats will be introduced. This course is a program requirement and should be taken in the third semester of study. An enrollment maximum of eight (8) students should be allowed in this course.

BMT 298 BMT INTERNSHIP I 3.0 CREDITS

PREREQUISITE: Permission of the Program/Internship Coordinator, enrolled in a degree or certificate BMT program, English Composition 101, three-courses in the major, possess a minimum 2.0 GPA. This three-credit course is offered during the fall and spring semesters. It is designed for students to gain hands-on experience a resume builder and an opportunity to network. Students will develop a resume, cover letter and references prior to placement.

Students will meet with the Internship Coordinator and an Assigned Internship Faculty Advisor from their program of study during the course of the semester to monitor the interns' progress. Students are required to complete 150 hours (minimum of 10 hours per week), assigned readings, a mid-term project and a final project that will include an oral/poster presentation. Students currently employed in their program of study may be eligible to combine an internship with employment

BMT 299 BMT INTERNSHIP II 3.0 CREDITS

Prerequisites: Permission of the Program/Internship Coordinator
This three-credit course is designed for students to gain hands-on experience in a work setting related to their career interest. Students must develop a resume, cover letter and references prior to placement. Students are required to complete 150 hours (minimum of 10 hours per week), assigned readings, a mid-term project and a final project that will include an oral presentation. Students currently employed in their program of study may be eligible to combine the internship with their employment. Prerequisites: Students must be enrolled in a degree or certificate program, completion of English Composition 101, three-courses in their major and posses a minimum 2.0 GPA.
Students are required to meet with the Internship Coordinator, Jennie Thrash, Room 3-424 prior to registering for this course.

BUS

BUS 101 PRINCIPLES OF ACCOUNTING I 3.0 CREDITS

PREREQUISITE: Eligibility for ENG 101
The fundamental principles of accounting theory are the focus of this course. Emphasis is placed on understanding the accounting cycle, journals, ledgers, adjusting and closing entries, working papers, and financial statements.

BUS 102 PRINCIPLES OF ACCOUNTING II 3.0 CREDITS

PREREQUISITE: BUS101
As a continuation of BUS101, this course focuses on accounting theory in relation to the specific needs of corporations and partnerships. Students will explore problems relating to assets and liabilities, payroll systems, methods of computing dividends, and corporate financial statements.

BUS 103 INCOME TAXES 3.0 CREDITS

PREREQUISITE: ENG 101; and Eligibility for college-level mathematics
This course introduces students to the basic concepts of federal income taxation for individuals, partnerships, and corporations, with an emphasis on determining taxable income, allowable deductions, gains and losses. Students will practice preparing sample tax returns. Prior knowledge of accounting may be helpful but is not required for this course.

BUS 104 COMPUTERIZED ACCT 3.0 CREDITS

PREREQUISITE: BUS 101
NOTE: Quickbooks does not run on MAC OS.
Students enrolled in this course will learn to use accounting software packages to set up and maintain computerized accounting records. Topics covered will include customer, vendor and employee records, accounts payable, accounts receivable, banking, payroll, job costing, and financial statement preparation. Integration of accounting data with word processing and spreadsheet applications will also be introduced.

BUS 106 VOLUNTEER INCOME TAX ASST. 3.0 CREDITS

PREREQUISITE: BUS 103
This community service course is provided jointly by Roxbury Community College and the Internal Revenue Service. Students who participate in the program are trained to prepare tax returns. Upon successful completion of the training, students will prepare tax returns free of charge for elderly, lower income, non-English-speaking, and other disadvantaged individuals. Students normally must work a minimum of 5 hours per week from January to April.

BUS 110 BUSINESS COMMUNICATION 3.0 CREDITS

Prerequisite: ENG 101 eligible
The focus of this course is learning how to write effectively in business and industry as well as in an academic environment. Learning proper written communication etiquette and developing effective writing skills are the main objectives. Academic writing will include learning proper narrative, descriptive, expository, argumentative and research writing techniques. Students are required to read and respond to selected short works that will serve as models for written assignments.

BUS 130 INTRODUCTION TO BUSINESS 3.0 CREDITS

PREREQUISITE: ENG 101
This course introduces students to various business topics, including the global environment of business; management, marketing, and accounting issues; and business organizations. It also explores career opportunities in business.

BUS 131 MANAGEMENT I 3.0 CREDITS

PREREQUISITE: ENG101
(Formerly: BUS 231)
Management principles, including communication, motivation, and group dynamics are the focus of this course. Through readings, lectures, classroom discussions, and case studies, students will explore problem-solving strategies for effective planning, cost control, and overall organization in a management environment.

BUS 132 MANAGEMENT II 3.0 CREDITS

PREREQUISITE: BUS 131
(Formerly: BUS 232)
As a continuation of Management I, this course examines the supervisory role of the business manager. Students will explore issues such as leadership and motivation, planning, problem solving, staffing, communication, styles of supervision, organizing, and controlling. Through classroom lectures, readings,

homework assignments, and case studies, students will learn that successful management is based on both an understanding of business principles and the ability to supervise others.

BUS 141 INTRO TO MARKETING 3.0 CREDITS

PREREQUISITE: Management I-BUS 131
(Formerly BUS 441)
Students enrolled in this course will examine marketing as seen from the perspective of the individual business and the larger society, with an emphasis on the integral relationship between consumer attitudes and marketing activities.

BUS 160 INVESTMENT ANALYSIS 3.0 CREDITS

This course will enable students to invest based on their needs, values, and risk tolerance. Students will analyze stock, mutual fund, options, bond, and commodities markets to evaluate the advantages and disadvantages of stock, real estate, CD's, tax deferred annuities, 401K plans, and IRA's. Students will learn to use savings and debt to help them achieve personal and financial goals.

BUS 181 STARTING YOUR OWN BUSINESS 3.0 CREDITS

Pre-Requisite: Eligibility for ENG 101
Students enrolled in this course will learn how to plan, start, market, and manage a new small business enterprise. Emphasis will be place on a) identifying marketable business opportunities, b) the business plan, and c) understanding and applying the principles of planning, organizing, activating, and controlling to a small business startup environment.

BUS 201 INTERMEDIATE ACCOUNTING I 3.0 CREDITS

PREREQUISITE: BUS102
In this course, students will examine valuation problems relating to inventories, investments, receivables, and other assets. An emphasis is placed on accounting principles, income determination, and the preparation of financial statements.

BUS 202 INT ACCOUNTING II 3.0 CREDITS

PREREQUISITE: BUS201
As a continuation of Intermediate Accounting I (BUS201), students will examine problems relating to lease and pension plans, long-term investments, and current and long-term liabilities. Other topics discussed in the course include capital stock, stock rights and warrants, and an introduction to present value techniques for accounting valuation.

BUS 203 MANAGERIAL ACCOUNTING 3.0 CREDITS

PREREQUISITE: BUS102
Students enrolled in this course will examine cost accounting practice for various aspects of manufacturing, including materials, labor, and factory overhead. Cost accumulation is also discussed as it pertains to job order systems, process systems, and standard cost systems.

BUS 206 INTRO TO FINANCE 3.0 CREDITS

Prerequisite or Corequisite: Principles of Accounting II
An introduction to financial management for business firms is the focus of this course. After a review of financial statements and forms of organization, students will explore the use of assets and cost of capital as management evaluation techniques. Other topics discussed in class include an overview of the securities market, effects of inflation, investment institutions, and the essentials of international finance.

BUS 221 BUSINESS LAW I 3.0 CREDITS

PREREQUISITE: Eligibility for ENG 101
(Formerly BUS 321)
This course introduces students to the legal environment of business. Topics of discussion include sources of law, the court system, business torts, intellectual property, and cyber law, criminal law, E-commerce and dispute resolution, ethics, contract and product liability law.

BUS 222 BUSINESS LAW II 3.0 CREDITS

PREREQUISITE: Business Law I
(Formerly BUS 322)
This course continues to build on the information learned in Business Law I. Students will explore the fundamental concepts of property in the context of the Uniform Commercial Code, with an emphasis on sales, commercial paper, and secured transactions. Related topics discussed in class will include insurance, product liability, and consumer protection.

BUS 281 SMALL BUSINESS MGMT. 3.0 CREDITS

Students enrolled in this course will learn about the specific management needs of small business enterprise. Emphasis will be placed on understanding and applying the principles of planning, organizing, activating, and controlling to a small business environment. In each area, the importance of small firms will be highlighted.

BUS 298 BUSINESS INTERNSHIP 3.0 CREDITS

Prerequisites: Permission of Program/Internship Coordinator
This three-credit course is designed for students to gain hands-on experience in a work setting related to their career interest. Students must develop a resume, cover letter and references prior to placement. Students are required to complete 150 hours (minimum of 10 hours per week), assigned readings, a mid-term project and a final project that will include an oral presentation. Students currently employed in their program of study may be eligible to combine the internship with their employment.

BUS 299 INTERNSHIP II 3.0 CREDITS

This three-credit course is designed for students to gain hands-on experience in a work setting related to their career interest. Students must develop a resume, cover letter and references prior to placement. Students are required to complete 150 hours (minimum of 10 hours per week), assigned readings, a mid-term project and a final project that will include an oral presentation. Students currently employed in their program of study may be eligible to combine the internship with their employment. Prerequisites: Students must be enrolled in a degree or certificate program, completion of English Composition 101, three-courses in their major and posses a minimum 2.0 GPA.
Students are required to meet with the Internship Coordinator,
Room 3-219 prior to registering for this course.

BUS ELE1 BUSINESS ELECTIVE I 3.0 CREDITS

BUS ELE2 BUSINESS ELECTIVE II 3.0 CREDITS

CJP

CJP 100 INTRODUCTION TO CRIMINAL JUSTICE 3.0 CREDITS

This course provides an overview of the history and present-day operation of the criminal justice process in the United States. Students will analyze the role, responsibility, and authority of each of the components of the system: police, courts, and corrections. They will also explore and examine the underlying principles and values of justice.

CJP 105 CONFLICT AND CONFLICT RESOLUTION 3.0 CREDITS

Conflict is a natural phenomenon. However, its ability to produce positive or negative results is dependent on the factors and processes used in response to it. Students will use academic and news articles, movies, book chapters, and case studies to explore the theoretical and empirical factors that influence conflicts, how these conflicts escalate to violence, and the various nonviolent mechanisms that can be used for their peaceful resolution. This course is an introduction to peace studies and nonviolent conflict resolution mechanisms, and will review the primary literature on the roots of peace at the societal level and methods for finding mutually acceptable solutions to conflicts at the individual and group levels. It examines the theories and causes of conflict from the global, national, and human perspectives and explores the stages of conflict, why some conflicts escalate into violence, why some don't, and what mechanisms help with ensuring peaceful resolution.
All readings for this course will be provided. Assignments include two short papers (1000 words each), a final paper (2000 words), and a 15-minute presentation on the final paper. Students will also be expected to participate in class activities and discussions actively.

CJP 106 IMMIGRATION LAW 3.0 CREDITS

This course will give students a broad overview of the United States Immigration legal system. Students learn about the INS and study important immigration cases that helped to shape the US immigration laws. Students will learn about different categories of immigrants and non-immigrants, and learn about the different immigration forms. Lastly, students will have an opportunity to have hands on experience by volunteering at a citizenship clinic to put their knowledge into practice.

CJP 107 MEDIATION 3.0 CREDITS

Mediation is one of the essential alternative dispute resolution mechanisms in conflict resolution. This course introduces the concept, principles, and practice of mediation as a conflict resolution tool. It provides a historical understanding of mediation, how it differs from other alternative dispute resolution mechanisms and how practitioners use it in various types of conflicts (workplace, interpersonal, intragroup, intergroup, and international conflicts). The course also has a required internship component that allows students to observe actual mediations in person, and to utilize their knowledge and skills acquired through the class meetings by gaining mediation experience themselves. The course will enable students to understand and practice mediation in diverse conflict scenarios. It will use academic articles, book chapters, case studies and scenarios, and simulations to explore the concept and principles of mediation and the factors that enable its use as a suitable conflict resolution mechanism for various conflicts.

CJP 110 INTRO TO CRIMINOLOGY 3.0 CREDITS

PREREQUISITE: ENG101
This course introduces the student to the major perspectives, concerns, controversies, and debates that characterize the contemporary study of crime, criminals, and criminal behavior. It examines these problems by drawing upon other disciplines such as sociology, psychology, political science, anthropology, philosophy, medicine, and biology i.e. to provide an integrated approach to understanding the problem of crime in contemporary society and to advance solutions to the crime quagmire.

CJP 115 THE CRIMINAL MIND 3.0 CREDITS

PREREQUISITE: ENG 101
COREQUISITE: Introduction to Criminology and either General Psychology or Intro to Sociology.
This course provides criminology students with a study of the psychological perspective of offending related to violent crimes, sex crimes, gang activity, drug crimes, property crimes and criminal justice analysis. Through field study research, the student will identify, discuss, analyze and critically evaluate the contributions of psychological theory to understand motive and intent of human criminal behavior. The psychological and social effects of crime on the criminal, the victim and society at large will also be explored.

CJP 120 CRIMINAL LAW 3.0 CREDITS

PREREQUISITE: ENG101
This course examines criminal law in the United States from a broad perspective. It will present the general principles and doctrines that affect the whole of criminal law, such as elements of criminal offenses, defenses to crimes, theories of punishment and rehabilitation, and perspectives on crime and criminal law. In addition, students will learn the elements of some specific crimes, such as homicide, criminal sexual conduct, crimes against public order, crimes against public morals, and crimes against property, including burglary, larceny and arson. A brief discussion of criminal procedure and constitutional limitations on government will be presented as preparation for future study of criminal justice procedure.

CJP 130 LAW ENFORCEMENT OPERATIONS 3.0 CREDITS

PREREQUISITE: ENG101

This course traces the development and evolution of law enforcement to current practices in the United States. Students will analyze the role of police agencies in our society and current problems faced by law enforcement. Career opportunities in local, state, and federal law enforcement will be discussed.

CJP 140 CRIMINAL COURT PROCESS 3.0 CREDITS

PREREQUISITE: ENG 101

This course provides a comprehensive look at the criminal justice process from arrest to sentencing. Students will analyze the responsibilities of prosecutors, defense attorneys, and judges and the role that each plays in the process. Topics will include: plea-bargaining, victim-witness assistance, jury selection, diversion and sentencing options.

CJP 160 JUVENILE JUSTICE SYSTEM 3.0 CREDITS

Prerequisite: No Prerequisite

This course traces the historical development of the juvenile justice system and examines how and why youthful offenders and children designated "in need of service" are treated differently from adults. Recent legislative changes and the impact of these changes on the handling of certain categories of juveniles will also be studied.

CJP 200 CONSTITUTIONAL LAW 3.0 CREDITS

Prerequisite: ENG101

In this course, students will focus on selected aspects of civil liberties and civil rights in the United States. It will address government limitations of power, and constitutional law questions about "who" should decide the content and nature of liberty as well as the issues of judicial activism and restraint. The primary goal of the course is to discuss our rights-not who defines them. Therefore, emphasis is on the Constitution and US Supreme Court cases which delineate the legal doctrines relevant to defining the constitution's guarantees of liberty. The student will be expected to learn about freedom of speech and press, freedom of religion, privacy, discrimination, capital punishment, and future directions. This course will help students grow as citizens and enable them to critically analyze the events surrounding them. Previous course code and title CJP 260 CIVIL LIBERTIES UNDER THE CONSTITUTION.

CJP 202 PROBATION, PAROLE, CMTY CORRECTIONS 3.0 CREDITS

PREREQUISITE: ENG 101

This course traces the development and roles of probation, parole and other community sentencing alternatives in the United States. Particular attention is paid to the legal, functional and administrative aspects of these sanctions, as well as the impact on recidivism and offender reintegration.

CJP 203 RESTORATIVE JUSTICE IN COURTS 3.0 CREDITS

Course Prerequisites: English 101 Concurrent

Restorative justice is a centuries-old approach to crime, with roots in tribal cultures. It seeks to empower people to address the harms, needs, and obligations that arise from crime by bringing together victims, offenders, and members of their respective communities. In most restorative justice processes, parties engage in face-to-face dialogue focused on personal accountability and repairing the harm that occurred.

This course will explore the theoretical underpinnings of restorative justice, practical applications of it in criminal and civil cases, and potential ways to integrate it into the legal system. Students will first learn about the origins of restorative justice principles and then will evaluate modern applications of those principles to legal conflicts, both in and out of the courtroom

CJP 210 CORRECTIONAL INSTITUTIONS 3.0 CREDITS

PREREQUISITE: ENG101

The development of correctional institutions and current correctional practices in the United States. Students will analyze the function and operation of correctional facilities, with particular emphasis on the Massachusetts correctional system.

CJP 215 THE CRIMINAL MIND 3.0 CREDITS

PREREQUISITE: ENG 101

This course provides criminology students with a study of the psychological perspective of offending related to violent crimes, sex crimes, gang activity, drug crimes, property crimes and criminal justice analysis. Through field study research, the student will identify, discuss, analyze and critically evaluate the contributions of psychological theory to understand motive and intent of human criminal behavior. The psychological and social effects of crime on the criminal, the victim and society at large will also be explored.

CJP 225 LAW AND SOCIETY 3.0 CREDITS

PREREQUISITES: ENG 101 and CJP 200

This course will examine the origin, development, and enforcement of law in society from a multi-paradigmatic perspective. It will probe into the sociological, political, anthropological, and philosophical context of law, and critically consider the relationship of law to social change and vice versa. The course will also investigate the role of class conflict and dissent in the legislative process.

CJP 226 RACE, ETHNICITY, AND CRIME 3.0 CREDITS

PREREQUISITE: ENG 101

This course explores the social context for the constructs of race and ethnicity and analyzes the racial and ethnic implications of the United States Constitution and other federal and state laws. Particular attention will be paid to identifying and analyzing landmark cases and their impact on the political and legal structure of the nation. Students will also evaluate the effects of racial, ethnic and gender bias in jury selection, jury verdicts, sentencing, corrections and other areas of the criminal justice system.

CJP 227 LAW & REAL PROPERTY 3.0 CREDITS

CJP 230 PROFILING SERIAL CRIME 3.0 CREDITS

PROFILING SERIAL CRIME

CJP 231 LEGAL RESEARCH & WRITNG 3.0 CREDITS

CJP 260 CIVIL LIBERTIES 3.0 CREDITS

This course will present a description of the history of the United States Constitutional interpretation and current doctrine concerning judicial review, the Federal and State System, the Bill of Rights, Separation of Powers, Freedom of Speech and Religion, Due Process and Equal Protection. Special attention will be given to current controversies regarding Judicial Activism, Judicial Restrain pointing directly to the recent United States Supreme Court's role in the election 2000. Particular emphasis will be made regarding challenge against the "Right of Privacy" and Affirmative Action.

CJP 298 CRIMINAL JUSTICE INTERNSHIP 3.0 CREDITS

Prerequisite: Permission of Department Chair/Program Coordinator; completion of 3 CJP required courses; 2 or above GPA; good academic standing; completion of English Competition 101.
Internship Requirement:
This three-credit course will provide students with “real world” experience within the criminal justice system. Students will be exposed to and contribute to actual day to day functions of various criminal justice professions. Students will be directed and mentored in performing specific required tasks by designated site supervisors while also learning more about the critical interplay between law enforcement agencies and all criminal justice proceedings through various reading assignments and scheduled class discussions.
Students will be required to work 150 hours during the semester at the internship site. Internships can be held at law enforcement agencies, private or public research entities, policy making bodies, the legislature, the court system, substance abuse treatment facilities, probation, parole or human services agencies that are connected to the criminal justice system. The internship, along with other assigned class work, is designed to help students improve their practical understanding of the criminal justice system. Interns are required to maintain a written daily journal documenting the Internship experience. Documentation should cover, types of tasks performed and observed. Actual work hours must be logged into electronically into RCC’s time sheet system. Each Student Intern will receive at least one site visit from the Faculty Advisor during the course of the internship. A 2-3 page written summary is required at mid-term. This written summary should highlight the student’s internship observations to date. Also, there will be a meeting between the Intern, site supervisor, and faculty to review the Internship Agreement to affirm that the original objectives are still appropriate and obtainable, making modifications if necessary. There will be an End of Semester Presentation/Internship Showcase. All student interns must complete a final self-assessment, evaluation of the internship site and our program, as well as receive a formal evaluation from the site and faculty.
Please see Internship Agreement for more information.

ECE

ECE 100 FOUNDATIONS OF EARLY CHILDHOOD EDUC 3.0 CREDITS

This course gives a foundational base for an understanding of the critical early years of life. The importance of childhood, developing values, and professionalism are discussed. Special emphasis will be placed on the roles and responsibilities of the teacher and high quality environments that emphasize anti-bias, self-help and inclusion. Students gain an understanding of developmentally appropriate practices with young children and working with diverse families.

ECE 101 CHILD GROWTH & DEV 3.0 CREDITS

Prerequisite: Eligibility for ENG 101
Students enrolled in this course will explore the theories and practices of growth and development for infants and young children, with an emphasis on significant and recent research, contemporary schools of thought, and theories of human development. Additional topics covered in this course include the influence of heredity and environment on child development, infant and child health care, socialization and sex role stereotyping. Fulfills Social Science core requirement.

ECE 102 OBSERVING & RECORDING 3.0 CREDITS

PREREQUISITE: ECE101
Students enrolled in this field placement course will observe, analyze, and evaluate childhood behavior in a variety of pre-school settings. Particular attention will be focused on the children's social, emotional, and intellectual skills. Other topics discussed in class include the role of the classroom teacher, the curriculum, and the organization of pre-school settings. Field study comprises two thirds of the course.

ECE 104 CUR ISS EARLY CHILD 3.0 CREDITS

Prerequisite: ECE 101 or concurrent
Young children are greatly influenced by the world around them. In this course, students will discuss many of those influences, with particular attention to the issues of family and school. Topics include sexuality and sexual behavior, changing family patterns, the impact of divorce, single parenting, alcoholism, and the impact of the school environment. Students will explore strategies to help parents meet their children's changing developmental needs and ways to encourage good parenting skills.

ECE 105 HEALTH, SAFETY AND NUTRITION 3.0 CREDITS

This course focuses on the physical and psychological safety, health, and nutritional needs of children from birth to age five. Topics include factors that impact healthy learning environments for children, such as wellness of young children, health and nutritional guidelines, indoor & outdoor safety, and licensing regulations. Students will learn about childhood illnesses, as well as the recognition of child abuse and neglect, and partnering with families.

ECE 106 GUIDANCE & DISCIPLINE 3.0 CREDITS

PREREQUISITES: ECE 101 or ECE 102
This course will develop a framework for understanding the emotional and behavioral development of young children. It will examine traditional methods of teaching right and wrong by using reward and/or punishment, which often gives the appearance of working. It will also emphasize the interpersonal

relationships between children, teachers and caregivers based on communication, respect, love and understanding. Students will examine the art of teaching and helping children to learn with understanding of class controls and structuring/restructuring of the environment.

ECE 201 EXPLORING PARENTING 3.0 CREDITS

Prerequisite or Corequisite: ECE 101
Learning to facilitate parent education groups and understanding group dynamics in a culturally sensitive environment is the focus of this course. Students will develop group leadership and group facilitation skills as they explore current issues in parenting as identified by the Office of Youth Services. Prerequisite: ECE 101 or concurrent

ECE 202 HISTORY & THEORY EARLY CHLDHD 3.0 CREDITS

PREREQUISITE: ECE 101 and ECE 102
Students enrolled in this course will review the history and theories of early childhood education as the basis for exploring contemporary issues. Classroom discussions and readings will focus on current trends and the future direction of early childhood education, relative to educational practices and classroom curriculum.

ECE 203 SPECIAL NEEDS CHILD CARE 3.0 CREDITS

PREREQUISITE: ECE 101 and ECE 102
Students enrolled in this course will develop an understanding of the abilities and disabilities of children classified as exceptional or "special needs" children, as well as the instructional organizations necessary to help special needs students achieve their potential. In addition, students will examine the impact of educational and psychological handicaps on an individual.

ECE 204 CHILD HEALTH CARE 3.0 CREDITS

PREREQUISITE: ECE 101
This course identifies and discusses the health problems and health needs of young children, including common childhood disorders and diseases and the principles of nutrition related to meal planning for young children. Students examine the role of both the school and the home in the physical development of young children.

ECE 205 EXPRESSIVE ARTS 3.0 CREDITS

PREREQUISITE: ECE 101 and ECE 102
The central theme of this course is to explore the many ways in which children can express their creativity in a day care environment through planned activities involving music, art, rhythm and movement, and dramatic play. Through expressive arts, teachers can gain insight into a child's individual personality, hopes, dreams, fears, and frustrations and can use this information to create a positive and rewarding learning environment for young children aged 2-6.

ECE 206 EARLY CHLD CURR I 3.0 CREDITS

PREREQUISITE: ECE 101 and ECE 102
COREQUISITE: ECE 298
This course provides students with in-depth theory and practice and implementing a developmentally appropriate curriculum for infants and toddlers. Students will evaluate existing curricula and produce plans that they will use in childcare settings. Attention is given to multicultural, developmental, language and literacy issues. This course should be taken with ECE 298 Internship I, which is for Infants and Toddlers.

ECE 207 EARLY CHILD CURRICULUM II 3.0 CREDITS

PREREQUISITE: ECE 206; and ECE 298, or co-requisite
COREQUISITE: ECE 298
This course provides students with in-depth theory and practice and implementing a developmentally appropriate curriculum for preschoolers. Students will evaluate existing curricula and produce plans that they will use in childcare settings. Attention is given to multicultural, developmental, language and literacy issues. This course should be taken with ECE 299 Internship II, which is for preschoolers.

ECE 208 SUPERVISION AND ADMINISTRATION 3.0 CREDITS

Prerequisite: ECE 101 and ECE 102 Planning and administration of the overall operations of a day care environment are the focus of this course. Students will be presented with a comprehensive view of contemporary day care issues, including developmental characteristics of young children, planning the environment, programming, licensing, staffing, community involvement, and parent relationships. This course provides opportunities for field observation.

ECE 294 EARLY CHILDHOOD ED PRACTICUM I 4.0 CREDITS

The student will be actively involved in the varied activities which constitute the curriculum of early childhood education classrooms and educational programs. Under the supervision of a cooperating teacher, the student will become more familiar with the role and responsibilities of the professional in early childhood education settings. Work-site placements must be approved by the ECE Program Coordinator. PLEASE NOTE: CORI (Criminal Offender Record Information), CHRI (Criminal Records Central Repository) and/or SORI (Sex Offender Record Information) checks are required prior to participation in this course.

ECE 295 EARLY CHILDHOOD ED PRACTICUM II 4.0 CREDITS

Students will increase their involvement in an early childhood classroom under the guidance of the assigned supervising teacher. Students will be responsible for planning and implementing developmentally appropriate curriculum. PLEASE NOTE: CORI (Criminal Offender Record Information), CHRI (Criminal Records Central Repository) and/or SORI (Sex Offender Record Information) checks are required prior to participation in this course.

ECE 298 CHILDCARE INTERNSHIP I 3.0 CREDITS

Prerequisite: ECE 206 corequisite

Internships provide a framework within which early Childhood Education students can work directly with young children in a classroom environment. Students enrolled in this course will work under the direct supervision of the classroom teacher, who will meet with the students regularly and assist in the development and implementation of lesson plans. The supervising teacher submits periodic evaluations to the course instructor. This evaluation is an important component of the final grade, and will require a total site experience of 150 hours per semester. This course is to be taken concurrently with ECE 206.

ECE 299 CHILDCARE INTERNSHIP II 3.0 CREDITS

Prerequisites: ECE 207, or co-requisite
In this course, which is a continuation of ECE298, students will work with individual children in a classroom environment to assess their learning needs and design appropriate programs for young children. Students enrolled in this course will work under the direct supervision of the classroom teacher, who will meet with the students regularly to review their work and plan for the implementation of specific lessons. The supervising teacher submits periodic evaluations to the course instructor. This evaluation is an important component of the final grade, and will require a total site experience of 150 hours per semester. This course is to be taken concurrently with ECE206.

EGR

EGR 120 ENGINEERING COMPUTATIONS I 3.0 CREDITS

Prerequisite: Pre-Calculus-MAT 103 or co-requisite
This course provides students with an opportunity to explore the most popular computational tool(s) used by engineers. Currently, this course focuses exclusively on MATLAB®. Appropriate computation methodologies will be presented. Introductory data acquisition will be presented. Topics are limited to functions of one variable. Students are expected to submit a term project report.

EGR 121 ENGINEERING DESIGN 3.0 CREDITS

Prerequisite: Pre-Calculus (MAT 103) or concurrent.
This course provides students with an opportunity to explore the most popular computational tool(s) used by engineers. Currently, this course focuses exclusively on MATLAB®. Appropriate computation methodologies will be presented. Introductory data acquisition will be presented. Topics are limited to functions of one variable. Students are expected to submit a term project report.

EGR 131 DIRECT CURRENT CIRCUITS W/LAB 4.0 CREDITS

Prerequisite: MAT103 Pre-calculus, or MAT201 Calculus, or permission of instructor
This course introduces the principles of electricity (voltage, current, resistance, power) and Direct Current (DC) electrical circuits. Common circuits (series, parallel, series-parallel) are examined as well as circuit theorems including superposition, Thevenin's theorem and maximum power transfer.

EGR 132 ALTERNATING CURRENT CIRCUITS W/LAB 4.0 CREDITS

Prerequisites; EGR 131 Direct Current Circuits w/Lab
This course introduces the concepts of Alternating Current (AC) and Voltage. In this course, students will learn the basics of electromagnetism, how to draw diagrams of AC circuits by hand and using computer software, and build AC circuits using resistors, capacitors, and inductors. Students will also learn about the use of operational amplifiers, diodes, and transformers in AC circuits.

EGR 133 DIGITAL LOGIC CIRCUITS W/LAB 4.0 CREDITS

Prerequisite: EGR 131 Direct Current Circuits w/Lab
This course introduces the concepts of digital logic circuits. In this course, students will learn about the basic components of digital logic circuits. Students will also learn how to create digital logic circuits.

EGR 135 ENGINEERING FUNDAMENTALS 3.0 CREDITS

Prerequisite: Pre-Calculus-MAT 103
This course provides students with an opportunity to explore a variety of engineering fields as well as their talents and interests, guides them to learn practice design and teamwork, and communication in engineering. Students will study and compare ethics and regulations. Essential skills in mathematics and physical sciences will be developed. Students are expected to submit a term project report with evolution record of a gantt chart.

EGR 210 STATICS STATICS 3.0 CREDITS

Pre-Requisite: MAT201 Calculus 1 and SCI143 Principles of Physics 1
Applications of Newton's Laws, vector algebra and integral calculus to statics problems. Topics include free-body diagram, force, moment of force, couples, static equilibrium of two and three dimensional rigid bodies, trusses, friction, properties of areas, shear and moment diagrams, flexible cables, screws, bearings, and belts.
This course is required for engineering students who concentrate in mechanics, facilities management, etct and plan to transfer to universities and colleges that require a first statics course.

EGR 220 ENGINEERING COMPUTATIONS II 3.0 CREDITS

Prerequisite: Engineering Computations I (EGR 120), Calculus III (MAT 205) or co-requisite
A continuation of Engineering Computations I. This course focuses on the theory and practice of an advanced engineering computation tool that is currently an industry standard. Major emphasis on presentation and manipulation of multivariate functions, without the depth taught in multivariate calculus.

ENG

ENG 095 PRE-COLLEGE READING & WRITING 6.0 CREDITS

This course introduces reading, writing, and research skills necessary for college-level coursework. It will focus on improving reading comprehension, emphasizing effective research methods, and developing vocabulary and grammar in both oral and written work. It will also review sentence writing

skills, paragraph writing, and organized essay development using a multi-stage writing process including prewriting and revision. Students will learn to communicate their own ideas by strengthening critical reading, writing, and thinking skills and combining information from multiple sources. This course does not satisfy any degree requirement

ENG 099 PRE COLLEGE WRITING 3.0 CREDITS

Prerequisite: Placement test
This workshop course is linked to a section of English Composition I for the purpose of providing additional contact time and support for writing. The coursework supports the assignments given in the linked English 101, focusing on process of writing, such as paragraph development and organization. The course allows students to practice the multi-stage writing process without plagiarizing through scaffolded assignments. This course does not satisfy any degree requirements.

ENG 101 ENGLISH COMPOSITION I 3.0 CREDITS

Prerequisite: Placement.
Composition I is an introductory course in writing that develops critical thinking, summarizing, synthesizing, and analyzing skills that prepare students to write college-level essays and research papers without plagiarizing. Students will learn to follow the information literacy process of identifying, organizing, and synthesizing nonfiction sources including peer-reviewed academic journal articles, news articles, books, and credible popular media sources. The course requires an argumentative research paper of 5-8 pages using MLA format and supported by attending a library research workshop. Upon completion of the term, students will complete a portfolio to be analyzed by the department to ensure completion of the course outcomes.

ENG 102 ENGLISH COMPOSITION II 3.0 CREDITS

Recommended Prerequisite: English 101
English 102 builds upon skills from English 101 that include summarizing, synthesizing, and analyzing works of literature. Students will read various forms of literature: types of literature may include short fiction, poetry, dramas, memoirs, and novels. The course requires at least 8-10 pages of polished interpretive research considered through a specific theoretical lens. Course content will be themed based upon the discretion of the instructor.

ENG 102E ENGLISH COMPOSITION II: ENHANCED 3.0 CREDITS

This enhanced version of English Composition II (ENG 102) at Roxbury Community College integrates approximately 25% Africa-related content, supported by the African Studies Center at Boston University through a Course Enhancement Grant. Designed to further develop students' reading, writing, and research skills, the course emphasizes critical analysis of primary and secondary sources, reader-response strategies, and interpretive writing across genres. The revised curriculum expands its literary scope to include a more robust exploration of African literature, adding a diverse range of texts that reflect traditional African oral traditions, as well as modern satiric, realist, and experimental forms. Students will engage with a historical spectrum of African literary works that examine colonialism, anti-colonial resistance, decolonization, nationalism, and the ongoing redefinition of cultural identity in postcolonial societies. These themes will be explored through the lens of race, gender, language, and globalization—providing students with a more nuanced understanding of Africa's literary and political landscapes. While the course retains its foundational objectives—requiring students to produce an 8–10-page research paper using MLA documentation and contributing 30% to the final grade—it will now offer greater opportunities for students to analyze African perspectives and contextualize them within global literary frameworks. Through moderate yet meaningful reading assignments and critical class discussions, students will leave this course with a deeper appreciation of African literature and enhanced fluency in literary interpretation, research, and rhetorical expression.

ENG 110 INTRO TO SPEECH 3.0 CREDITS

COREQUISITE: ENG101
This course explores techniques for effective public speaking in both large and small group settings. Students will develop effective communication skills through a variety of classroom discussions and oral presentations. In addition, students will explore the appropriate use of a variety of oral communication styles.

ENG 201 BRITISH LITERATURE 1 3.0 CREDITS

Course Prerequisites: ENG 102
This course offers a survey of British literature from the Middle Ages to the eighteenth century. We will explore each historical period through a selection of literary texts, tracing the significant links between literature and major cultural, scientific, and political developments in Great Britain and the world. We will examine recurring themes in British literature across the ages and learn about major aesthetic movements and genres.

ENG 210 ADVANCED COMP 3.0 CREDITS

Prerequisite: ENG102
Using a variety of rhetorical strategies, the student will write expository and argumentative essays based on critical analysis of college-level reading selections. An opportunity to do advanced research is also provided. This course refines the skills developed in English Composition I and 11 and is strongly recommended for transfer students. This course is not a substitute for ENG102.

ENG 220 WORLD LITERATURE I 3.0 CREDITS

PREREQUISITE: ENG102
This survey course exposes students to writers from ancient times to the 17th century. Students will read work chosen from Biblical, Greek, Roman, Asian, African, Medieval, and Renaissance literature.

ENG 221 WORLD LITERATURE II 3.0 CREDITS

PREREQUISITE: ENG102
A broad range of writers and literary styles will be examined in this course. Students will read the works of American, European, African, South American, and Asian writers from the late 17th century to the present, with a focus on Neoclassical, Romantic, Realistic, Naturalistic, and Modern Literature.

ENG 225 AFRICAN-AMER LIT 3.0 CREDITS

Prerequisite: ENG 102

This course will cover the literary contributions of African-American authors from early poetry and spirituals to contemporary Black literature. Students will develop an understanding of African-American Literature by identifying various genres, forms, and historical periods such as slave narratives, the Harlem Renaissance, the Black Arts Movement, and Afro-Futurism. We will compare, contrast and integrate major themes in African-American literature such as freedom, civil rights, alienation, identity, and double consciousness. Moreover, students will describe the relationship between a literary text to its historical, cultural, and social context

ENG 226 LITERATURE IN AMER 1 3.0 CREDITS

PREREQUISITE: ENG102
As an introduction to American literature, this course provides a chronological survey of American literature from the Colonial period through the Civil War. The relationship between literature and American life and culture will be examined in the works of authors from a variety of social segments.

ENG 227 LITERATURE AMERICA 2 3.0 CREDITS

Prerequisite: ENG 102
This course is a chronological survey of literature in America from the post-Civil War period to the present. The emergence of modern American literature as a response to cultural, social, and economic changes will be explored in the works of authors from all segments of society.

ENG 230 AFRICAN LITERATURE 3.0 CREDITS

This course introduces and explores African Literature from a range of regions with
particular attention to writings connected with historical experiences of colonization and institution of new authority codes, anti-colonial resistance, and decolonization. It
considers the operation of race, gender, nationhood, neocolonialism, and globalization within and across these writings. The course will survey literature from a range of
periods, including oral traditions and contemporary work.

ENG 240 MODERN NOVEL 3.0 CREDITS

PREREQUISITE: ENG102
The novel is an important genre in the modern world. By reading novels selected by theme, students will gain an appreciation for the genre as well as insight into the thematic content and cultural context. The course will emphasize close reading of several novels as well as writing critical essays. Themes may include human rights, images of women, utopias/dystopias and others.

ENG 245 CONTEMPORARY SHORT STORIES 3.0 CREDITS

PREREQUISITE: ENG102
The focus of this course is to expose students to short stories written by authors from around the world. Students will read, discuss, and critique short stories and respond to "The Critical Questions for Reading the Short Story" and other literary questions. The Critical Questions refer to the stories' characters, plot, structure, symbolism, settings, atmosphere, narrators, writing style, and themes.

ENG 251 JOURNALISM I 3.0 CREDITS

PREREQUISITE: ENG101
Students enrolled in this course will learn the techniques of collecting information and will examine different forms of newspaper and newsletter writing and layout. Journalism is used as a means of introducing students to relevant social and philosophical issues.

ENG 252 JOURNALISM II 3.0 CREDITS

PREREQUISITE: ENG 251
Building on skills developed in ENG 251, students are introduced to advance reporting techniques. Interviewing, cultivating resources, and feature-writing techniques are discussed in addition to the submission of frequent writing assignments.

ENG 260 CREATIVE WRITING SEMINAR 3.0 CREDITS

PREREQUISITE: ENG 101
This course offers the focus and discipline that are necessary for students with an interest in creative writing. It emphasizes the essential elements required for writing short stories and poetry. Students' work and good writing models will be read and discussed in class.

ENG 261 ENGLISH HONORS SEMINAR 4.0 CREDITS

This course will take the form of an advanced seminar in classical literature, embracing various cultural milieu. Students will examine a particular genre of literature, the purpose of which is to deepen their understanding of the interrelationships of character, conflict, setting, and language and to explore the meaning in a single literary work.
Prerequisite: ENG-102; Faculty Recommendation; and a 3.0 GPA.

ENG 298 JOURNALISM PRACTICUM 3.0 CREDITS

Students enrolled in this course will have the opportunity on further developing their skills and learned Journalism I & II. As interns directly involved in the production process, students are expected to participate in the production of each monthly publication by writing stories, selling advertising space, and producing, mailing and distributing the newspaper. After consultation with the instructor, students will be expected to complete their writing assignments independently.
Prerequisite: ENG-251; and ENG-252

ENG 95 PRE-COLLEGE READING & WRITING PILOT 3.0 CREDITS

HLT

HLT 150 INTRO TO RADIOLOGY TECHNOLOGY 3.0 CREDITS

Prerequisites: Requires Acceptance into the Program, English Composition I (ENG 101); Anat & Phys I(SCI 201); MAT 100 or higher
Corequisites: HLT 152 AND HLT 154 AND HLT 158
This course is designed to introduce the freshman radiologic technology student to the fundamental principles of Radiologic Technology. Major topics include the scientific discovery and properties of x-rays, the comprehensive definition of radiation, electromagnetic energy and the electromagnetic spectrum, quality factors essential for optimal imaging regarding diagnostics and patient dose, the X-Ray beam and essentials of proper technique. This course provides the basis of knowledge necessary for HLT 170 Principles of Radiologic Quality in the freshman spring semester of the Radiologic Technology Program.

HLT 151 BASIC RADIOLOGIC TECHNOLOGY BASIC RAD TECH 2.0 CREDITS

Prerequisites: Requires Acceptance into the Program,
This course offers in-depth coverage of preliminary and basic concepts for radiology technology. This course is an introductory course to the clinical practicums. HLT151 is offered in the second session of summer intersession. HLT151 will introduce medical terminology, suffix, prefix and various radiology termiology to be used sequentially through the two years.

HLT 152 BASIC RADIOLOGIC PROCEDURES 3.0 CREDITS

Prerequisites: Requires Acceptance into the Program, English Composition I (ENG 101); Anat & Phys I(SCI 201); MAT 100 or higher
Corequisites: HLT 150 and HLT 154
In this laboratory course, the student is presented with all routine radiographic procedures and applicable anatomy of the appendicular skeleton. Laboratory positioning exercises prepare the student for practical application of the procedures in the assigned radiology department in healthcare agencies.

HLT 154 CLINICAL PRACTICUM I 4.0 CREDITS

Prerequisites: Requires Acceptance into the Program, English Composition I (ENG 101); Anat & Phys I(SCI 201); MAT 100 or higher
Corequisites: HLT 150 and HLT 152
Additional Requirements: current CPR certification at Health Professional level; compliance with all
health requirements; CORI clearance
In this first clinical course, students are oriented to the clinical practicum experience and health agency guidelines, and learn about medical ethics and patient interaction. Observation and supervised performance of required radiographic examinations for clinical competence includes positioning of the chest, abdomen, upper and lower extremities.

HLT 158 A&P FOR RADIOLOGIC TECH A&P RAD TECH 4.0 CREDITS

Prerequisite: Requires Acceptance into the Program, English Composition I (ENG 101); Anat & Phys I (SCI 201); MAT 100 or higher
Corequisites: HLT 152, HLT 154, and HLT 150
This course offers an in-depth coverage of Anatomy and Physiology as it pertains to Radiologic Technology. Anatomy and physiology for radiologic technology is a course that will enable students to develop an understanding of the relationships between the structures and functions of the human body in radiography terms. This course will involve laboratory activities, projects, textbook material, models, diagrams, and clinical studies.

HLT 170 PRINCIPLES OF RADIOLOGICAL QUALITY 3.0 CREDITS

Requires acceptance into the Radiologic Technology program Prerequisite: Grade of 80% or better in HLT 150; Grade of 80% or better in HLT 152; Grade of 80% or better in HLT 154, and Grade of 80% or better in HLT 158.
Corequisites: HLT 171, HLT 172, HLT 174
This course is designed to expand on the basic principles of radiologic technology explored in HLT 150 Introduction to radiologic technology. The freshman/ spring radiologic technology student will increase their knowledge on producing quality images through knowledge of the digital image and digital imaging equipment. Major topics include pre-processing and post-processing the digital image, understanding how the image is created digitally, as well as how it is displayed and stored. This course will also include topics of Digital Fluoroscopy, Automatic Exposure Control, Exposure Indicators and Radiation protection safety measures in regard to digital imaging. This course concludes the knowledge necessary for Equipment and Safety/ the Digital Image portion of information required for the ARRT registry exam. It also provides the radiologic technology student the working knowledge of digital imaging equipment and capabilities to produce the highest quality image with the least amount of radiation dose to the patient.

HLT 171 RADIOLOGICAL INSTRUMENTATION 3.0 CREDITS

Requires acceptance into the Radiologic Technology program
Prerequisites: Grade of 80% or better in HLT 150; Grade of 80% or better in HLT 152; and Grade of 80% or better in HLT 154.
This second semester course of the radiologic technology program presents and expands upon principles of general physics and concepts in technical math. This course presents the foundations of electrical physics and principles related to the radiography field. Topics will include an understanding of physics principles, concepts, and components) required in the electrical production of radiation used in the clinical setting and of the principles used in image capturing techniques. The course also presents basic interactions of radiation with matter. Applied radiographic calculations are also covered.

HLT 172 INTERMEDIATE RADIOLOGIC PROCEDURES 3.0 CREDITS

Requires acceptance into the Radiologic Technology program. Prerequisites: Grade of 80% or better in HLT 150; Grade of 80% or better in HLT 152; Grade of 80% or better in HLT 154, and Grade of 80% or better in HLT 158.
Corequisites: HLT 170, HLT 171, HLT 174
In this laboratory course, the student continues to be presented with routine radiographic procedures and applicable anatomy. Laboratory positioning exercises prepare the student for practical application of the procedures in the assigned Radiology Department in the healthcare field.

HLT 174 CLINICAL PRACTICUM II 3.0 CREDITS

Requires acceptance into the Radiologic Technology program.
Prerequisites: Grade of 80% or better in HLT 150; Grade of 80% or better in HLT 152; and Grade of 80% or better in HLT 154.
Clinical hours are subject to change based on agency availability

In this second clinical course, students continue to learn the fundamentals of radiographic positioning and principles of radiographic exposure, including examinations of the pelvis and hips, ribs and sternum, spine, digestive system, urinary tract and biliary system. This clinical practicum also provides students with additional image critique and the principles of pediatric radiography.

HLT 175 CLINICAL PRACTICUM III RAD TECH 5.0 CREDITS

Pre-Requisites: HLT 170, HLT 171, HLT 172, and HLT 174
This is a nine-week summer clinical experience that meets forty hours per week. It provides the student with the opportunity to improve skills and gain confidence in the application of new techniques. The student is introduced to the Operating Room, the fluoroscopic room, and portables.

HLT 250 FUNDAMENTALS OF RADIOBIOLOGY 4.0 CREDITS

Prerequisite: Grade of 80% or better in HLT 175
Corequisites: HLT 252 and HLT 254
Advanced Radiographic Procedures; HLT 254 Clinical Practicum IV This course is designed to provide fundamental information in the area of applied radiobiology. Course topics will include basic interactions of radiation matter, biological effects, radiation dose, occupational and non-occupational dose equivalent limits, exposure monitoring and units of measurement. Radiographically significant pathology will be included. Course placement: Fall Semester-second year

HLT 252 ADVANCED RADIOGRAPHIC PROCEDURES 3.0 CREDITS

Prerequisites: Grade of 80% or better in HLT 175
Corequisites: HLT 250 Fundamentals of Radiobiology and HLT 254 Clinical Practicum
Major topics include skull, facial and sinus anatomy and positioning. Myelography, arthrogaphy, angiography and skeletal surveys will be introduced. Special radiographic procedures will also be covered including computed tomography, magnetic resonance imaging, nuclear medicine, and ultrasound. Phantom radiography and role-playing prepare the student for practical application of the procedures in the assigned radiology department in health care agencies. Course placement: Fall Semester-second year

HLT 254 CLINICAL PRACTICUM IV 4.0 CREDITS

Prerequisite: successful completion of the summer practicum
Corequisites: HLT 250 Fundamentals of Radiobiology and HLT 252 Advanced Radiographic Procedures
Additional Requirements: current CPR at the Health Professional level; compliance with all health requirements; CORI clearance
The senior student begins this clinical practicum demonstrating competence in the basic skills and exams learned in the first year. The student has progressed both professionally and educationally through the summer practicum and now takes on the advanced positions and procedures of the program. The student must demonstrate growth and development in both clinical and professional behavior during the practicum. The "Critical Clinical Objectives" for this practicum MUST be met in order to continue in the program.

HLT 270 TOPICS IN RADIOLOGICAL TECHNOLOGY 3.0 CREDITS

Requires acceptance into the Radiologic Technology program Prerequisite: Grade of 80% or better in HLT 250; and Grade of 80% or better in HLT 252; and Grade of C or better in HLT 254
This course is designed to round out the student's educational experience in the Program. Major topics included are Pharmacology, Quality Management, Ethics in Health Care, Diversity, Health Equity, and Professional and Career Development beyond the student status. Cross Sectional Anatomy, Conventional Tomography, Magnification Radiography, and Radiologic Pathology are included.

HLT 274 CLINICAL PRACTICUM V 4.0 CREDITS

Requires acceptance into the Radiologic Technology program.
Prerequisites: Grade of 80% or better in HLT 254
Clinical hours are subject to change based on agency availability
The senior student begins this last clinical practicum demonstrating competence in the basic skills and exams learned in the first year. The student has progressed both professionally and educationally through the Program and continues to grow and develop both professionally and technically. All mandatory and elective competencies must be demonstrated for completion and graduation. The "Critical Clinical Objectives" for this practicum MUST be met to continue in the program.

HLT 299 RADIOLOGY TECHNOLOGY PRACT SEMINAR 10.0 CREDITS

This course substitutes HLT practicum requirements.

HUM

HUM 100 INTRODUCTION TO MUSIC 3.0 CREDITS

The Introduction to Music course will foster an understanding and appreciation of music in the broadest sense. Students will learn to recognize and differentiate the various media employed to express music, such as the human voice and an array of musical instruments. They will have an opportunity to understand that music has expressed the emotions and ideals of humanity in all places at all times. Representative examples of musical forms, historical periods in music, and a broad spectrum of global cultures will be used to teach students that musical culture is universal.

HUM 101 CHORAL MUSIC I 3.0 CREDITS

Introduction to Vocal and Choral Music I will emphasize the teaching of vocal skills such as breath support, vocal warm-up, singing in tune, and note reading, with emphasis on performance. This will encourage students who want to learn to sing, or those who already sing well and want to improve their skills, to develop their ability to sing with skill and confidence both alone and in a group. The basic singing skills taught, in addition to vocal technique, include cooperation, blending of vocal sound, and following the conductor's tempo, dynamics, and style. This course should taken during the same class period as Introduction to Vocal and Choral Music II, so that students in both classes can learn from each other.

HUM 102 CHORAL MUSIC II 3.0 CREDITS

PREREQUISITE: CHORAL MUSIC 1
Introduction to Vocal and Choral Music II will continue to teach basic vocal skills such as breath support, vocal warm-up, singing in tune, and note reading, with emphasis on performance. It will also introduce advanced vocal and performance skills, including expanding the singer's vocal and dynamic range and increasing sensitivity to interpretation. In this course, students will act as role models for students enrolled in Introduction to Vocal and Choral Music 1. Students may be called upon to assist the instructor in preparing for both rehearsal and performance, including choosing repertoire. Students in the Introduction to Vocal and Choral Music I and II courses need to share the same class period so that each group can learn from another.

HUM 103 MUSIC THEORY I 3.0 CREDITS

PREREQUISITE: No Pre-requisite
This course is designed to provide students with the basic knowledge and skills of music reading, writing, and analysis, including notation in all three clefs; reading notes by their letter names, as syllables in both fixed and relative "do", and as numbers; reading and writing key signatures and scales in sharp and flat keys (both major and minor keys); harmonic progressions; instrumentation; and other general knowledge leading to a better understanding of how music works. Students will analyze the melodic, rhythmic, and choral construction of selected simple pieces representing various musical traditions from around the world.

HUM 104 MUSIC THEORY II 3.0 CREDITS

PREREQUISITE: Fundamental of Music Theory I (HUM 103)
This course builds on Fundamentals of Music Theory 1. Emphasis is placed on meeting the standards of advanced music theory placement exams for four-year colleges and universities. The course will further develop the students' skills in music reading, writing, and analysis. Students will continue their analysis of more complex musical pieces from a variety of musical traditions, employing both European and non-European forms of analysis.

HUM 105 PIANO KEYBOARD I 3.0 CREDITS

The Piano Keyboard I course will introduce basic piano keyboard skills, such as fingering patterns in both left and right hands, separately and together. The course will employ the notes played by the five fingers plus an extension of one note above and below. Emphasis will be placed on reading, as well as on the use of the I-IV-V7 harmonic progression. Piano text used will not only teach basic skills but also will add pleasure and build appreciation of piano repertoire.

HUM 106 PIANO KEYBOARD II 3.0 CREDITS

Prerequisite: Passing Grade (C or better) in Piano Keyboard 1, or permission of instructor.
As a continuation of Piano Keyboard I, Piano Keyboard II course will provide further instruction in late-elementary and early-intermediate keyboard skills. Students will continue to develop technical proficiency and musicianship through the performance of elementary and intermediate repertoire.

HUM 107 BLACK MUSICAL STYLES 3.0 CREDITS

PREREQUISITE: ENG101 or ENG 101 Eligible
Students will investigate African-American musical styles from a historical perspective, including both religious and secular traditions, as a means of appreciating their contribution to the development of American music. The period under discussion will range from the days of slavery to the present. The music of these periods will be analyzed for its musical content, its relationship to social issues, and its impact on the musical culture of America.

HUM 108 WORLD MUSIC 3.0 CREDITS

PREREQUISITE: No Pre-requisite
The World Music course will foster an understanding and appreciation of music from around the world, especially non-Western music. Students will explore the music of the Americas, Africa, the Middle East, East Asia, and the Indian subcontinent. The music of the many cultures represented by the students on campus will form the nucleus of the music studied. Students will learn how music expresses each group's sociological, historical, and geographical relationship to the music of other cultures. They will recognize and differentiate the ways in which the human voice and traditional instruments express the cultures of people around the world. Representative examples of musical forms and historical periods will be used to teach the students to appreciate that music has expressed the emotions and ideals of humanity in all places at all times.

HUM 109 VOCAL PERFORMANCE WORKSHOP I 3.0 CREDITS

The Vocal Performance Workshop class will offer instruction in the basic music skills which will be taught through a vocal warm-up. The beginning segment of each class, will start with a vocal warm-up, used to focus and open up the range of the students' voice into the head voice. These exercises will prepare students for their solo class performance. Specifically, each vocal warm-up session will include stretching exercises, leading to erect posture without tension, followed by both cleansing and controlled deep breathing exercises. The instructor will then lead the class in vocal exercises using the pure Italian vowels.

HUM 110 VOCAL PERFORMANCE WORKSHOP II 3.0 CREDITS

PREREQUISITE: HUM 109
A continuation of Vocal Performance Workshop I.

HUM 111 INTRODUCTION TO THE MUSIC BUSINESS 3.0 CREDITS

In this course, students will be introduced to the inner workings of the music industry. The course will provide an overview of how music industry professionals create, record, distribute, and monetize their music. Students will explore how money flows from consumer to artist, as well as the roles that record labels, publishers, Performing Rights Organizations, and other major institutions play in this process. We will also examine the effects that technology has had on the creation and consumption of music throughout the recent past. While this course may be of special interest to music creators and business students, you do not need musical or business experience to enroll.

HUM 118 FUNDAMENTALS OF MUSIC 3.0 CREDITS

This course serves as a general education introduction to performing music. Students will develop foundational musical literacy skills such as writing in standard music notation and performing elementary melodies and rhythms from written sheet music. Core music theory concepts such as pitch, rhythm, scales, and chords will be explored through hands-on activities such as singing, playing the piano and other instruments. Student will be exposed to

examples of various styles of music and be asked to analyze and discuss them using musical terminology. No previous musical experience or training is necessary.

HUM 119 DEVELOPING CREATIVITY THROUGH MUSIC HONORS 3.0 CREDITS

This class exists to dispel the myth that a person's maximum creative potential is already "build into" us from birth. creativity is a skill that can be trained and improved, and this course will prove that this process can be approached academically and even scientifically. In this course, students will directly embody creative exercises using the medium of music. Students will be exposed to various examples of advanced creative techniques and technologies that music creators have used to expand the language of music and their own creative potential. We will then put them into practice ourselves. Through this process we will discuss the nature of creativity and examine our own creative processes. Special attention will be paid to overcoming creative roadblocks and developing a toolkit of evidence-based techniques to apply to creative problem solving.
No prior music experience is necessary.
Prerequisites: ENG 101

HUM 120 RELIGION IN CONTEMPORARY WORLD 3.0 CREDITS

PREREQUISITE: ENG 101
This course introduces students to many of the major themes and practices of world religions and examines the role of religion in the world today. Students will study what constitutes a religious experience, the nature of faith, the function of ritual, the impact of secularization, and the role religious traditions have in social and personal transformation.

HUM 126 INTRODUCTION TO MUSIC TECHNOLOGY 3.0 CREDITS

Prerequisites: ENG 101 Eligible
In this course, students will engage in hands-on exploration of a variety of technologies (both hardware and software) utilized in music-making. Students will engage in projects designed to demystify various aspects of music creation: the properties of sound waves, analog and digital sound synthesis, sound design, MIDI technology such as sequencing, recording using a microphone, music notation, and manipulating sound samples using software. Students will be exposed to Digital Audio Workstation (DAW) software, in preparation for further Music Production coursework. We will also explore the cultural impact that technology has had on music in an increasingly global society. No prior musical training is necessary, however the content of this class will be of special interest to aspiring performers and creators of music and other content.

HUM 130 INTRO TO PHILOSOPHY 3.0 CREDITS

PREREQUISITE: ENG 101 or co-requisite
This course provides an introductory examination in global perspective of the problems and methods of philosophy. Topics may include: the meaning and purpose of life, the nature of knowledge, justice and politics, personal identity, the role of art in society, and ethics. While several major philosophers and historical movements will be introduced, the emphasis will be placed on exposing students to problems in philosophy, helping them analyze arguments, and discovering ways to apply philosophical skills in and beyond the classroom.

HUM 131 HUMAN CONDUCT AND VALUES 3.0 CREDITS

PREREQUISITE: ENG101
In this course students will explore a variety of theories and practices relative to the question of conduct and moral judgment, including utilitarianism, hedonism, and Marxism. Students will consider their own system of ethics and morals as they discuss such current topics as racism, disciplining children, abortion, capital punishment, sex, and world hunger.

HUM 132 INTRODUCTION TO HUMANITIES 3.0 CREDITS

PREREQUISITE: No Pre-requisite
The focus of this course is an examination of the different ways in which various cultures have expressed their humanity through philosophy, art, and social mores. Students will explore the ideas of traditional Indian, Chinese, and African cultures and will use this information to gain a greater understanding and appreciation of their own culture and the cultural diversity of today's global village.

HUM 134 IMAGES OF BLACK AMERICANS 3.0 CREDITS

PREREQUISITE: placement into ENG 101; or placement into ENG 099
This course will trace the historical development of stereotypic and negative images of Black Americans, particularly in the media, and will examine the psychological impact of those images on African Americans and other individuals in our society. In addition, the course will acknowledge renowned African-American individuals and social movements that have contributed to the development of our society.

HUM 135 LOGIC FOR EVERYDAY USE 3.0 CREDITS

PREREQUISITE: English Comp I Eligibility
The ability to differentiate between valid and invalid reasoning is a valuable tool for all individuals. In this course, students will develop skills to strengthen their own thinking and communicating processes and to recognize and analyze the logic of information encountered in everyday life.

HUM 140 ELEMENTS OF PERFORMANCE ARTS 3.0 CREDITS

This course introduces students to the fundamental elements of musical and theatrical styles and provides an exploration of how the performing arts have been used to reflect the ideas, aspirations, and direction of various cultures. Students will examine the role and function of the performing arts in various cultures.

HUM 141 ACTING I 3.0 CREDITS

This course introduces students to techniques that cover the scope of theatrical performance. Students will study and practice various modes of performance, such as mime, movement, dialogue, characterization and improvisation.

HUM 142 ACTING II 3.0 CREDITS

PREREQUISITE: HUM141
A course designed to take students further in their exploration of skills and challenges of the art of acting, with an emphasis on the variety of ways acting is practiced in different cultures. Students will read basic texts on acting, including the works of Stanislavski, Brecht, and Chekhov. The focus of the course is on developing characters and working with texts that include poetry, monologues from plays, and dramatic scene study. Students will be introduced to costumes and are required to participate in a variety of workshop activities in class.

HUM 143 BACKSTAGE I 3.0 CREDITS

PREREQUISITE: ENG091
An Introduction to all of the behind-the-scenes elements THAT go into the production of a play. This course will examine the roles and responsibilities of the director, stage manager and costume, set, and lighting designers in the creation of a stage production.

HUM 160 INTRODUCTION TO ARTS 3.0 CREDITS

PREREQUISITE: ENG101 or eligible
Through an examination of visual arts, students enrolled in this course will develop an understanding and appreciation of the artistic expression of a number of different cultures, including: African, Asian, European, Hispanic, and North American. Students will explore basic artistic elements common to all visual arts, such as design, color, and style.

HUM 161 ART HISTORY & APPRECIATION I 3.0 CREDITS

PREREQUISITE: ENG 101
This course is a survey of the visual arts, covering a variety of artistic and cultural styles. With an emphasis on the role of perception, students will explore the art of Africa, Egypt, India, China, Japan, and Greece, as well as Medieval and Renaissance art, and will discuss the impact of each of these styles or periods on Western civilization.

HUM 162 ART HISTORY AND APPRECIATION II 3.0 CREDITS

PREREQUISITE: ENG 101
As a continuation of HUM 161, students enrolled in this course will examine artistic styles and forms from the Renaissance to the present.

HUM 163 PHOTOGRAPHY I 3.0 CREDITS

PREREQUISITE: No Pre-requisite
The study of all the methods and techniques of digital imaging, including Photoshop software basics, input and output options camera use, photo editing, printing, print mounting, and critical and esthetic evaluation of photographs. Use of cameras, media, and software is included as part of this course.

HUM 164 PHOTOGRAPHY II 3.0 CREDITS

In this course, students will explore in depth a variety of photographic media slide tapes, filmstrips, film, and magazine photography in relationship to both social and educational utility.
Through field trips and classroom photographic materials, students will explore a variety of ways in which photographic images are used to convey ideas and communicate messages. Students are required to complete a photo project in order to demonstrate the use of photography as a communication tool.
Prerequisite: HUM-163

HUM 165 DRAWING I 3.0 CREDITS

Students enrolled in this hands-on course will explore the use of basic drawing techniques. Topics include the use of perspective and proportion, and achievement of realism in drawing.

HUM 166 DRAWING II 3.0 CREDITS

PREREQUISITE: HUM165
As a continuation of DRAWING I, students will refine their use of perspective, proportion, and realism to create unified pictorial compositions.

HUM 167 SCULPTURE I 3.0 CREDITS

This course introduces students to a variety of sculpture techniques, including molding, casting, construction in plaster, was, and clay, and the basics of carving wood.

HUM 168 SCULPTURE II 3.0 CREDITS

This course builds on the skills and techniques introduced in HUM167. Students will use a variety of materials to create three-dimensional sculpture, and will refine their ability to express their personal creativity through sculpture.

HUM 170 PAINTING I 3.0 CREDITS

Students will explore color theory, the use of color throughout history, and application techniques for watercolor, acrylic, and oil paints.

HUM 171 PAINTING II 3.0 CREDITS

PREREQUISITE: PAINTING I
Students enrolled in this course will explore color theory, the use of color throughout history, and application techniques for watercolor, acrylic, and oil paints.

HUM 173 AFRICAN ART 3.0 CREDITS

With an emphasis on the influence of traditional African Art on contemporary African and New World Art styles, this course will survey the historical development of African Art. Students are required to complete an in-depth research assignment covering an artist, group of artists or a particular artistic style.
Prerequisite: None

HUM 174 ELEMENTS OF ART AND DESIGN 3.0 CREDITS

This course provides an introduction to the elements of art and design. Students will develop an appreciation of the visual processes through which seemingly unrelated experiences, ideas, concepts, and materials are brought together to form connections through various design elements.

HUM 176 LATIN-AMERICAN ART 3.0 CREDITS

This course provides a Survey of Latin American Art from Pre-Colombian times to be the Modern Age. Architecture, paintings, sculpture, an crafts are discussed with regard to their individual merit and their impact on succeeding styles of Latin American Art.
Prerequisite: None

HUM 180 MODERN DANCE I 3.0 CREDITS

The techniques of dance as taught through discipline of muscular control and rhythm awareness are the focus of this course. Students will explore classical ballet concepts and techniques as the foundation for other dance styles, including modern jazz and ethnic dance.

HUM 181 MODERN DANCE II 3.0 CREDITS

PREREQUISITE: HUM 180
In this continuation of Modern Dance I, students will strengthen their muscular control and sense of rhythm through exercises and dance movements that call upon the techniques and styles of a number of dance forms.

HUM 204 BACKSTAGE I 3.0 CREDITS

Prerequisite: ENG 101 and HUM 141
An introduction to all of the behind-the-scenes elements which go into the production of a play, this course will be examine the roles and responsibilities of the director, stage manager and costume, set, and lighting designers in the creation of a stage production.

HUM 205 BACKSTAGE II 3.0 CREDITS

Prerquisite HUM 204.
As a continuation Backstage II, students will further develop their understanding of the elements that support the production of a staged performance.

HUM 220 HUMAN RIGHTS TODAY 3.0 CREDITS

PREREQUISITE: ENG 101

HUM 240 HISTORY OF THEATER 3.0 CREDITS

Prerequisite: ENG 101
This course is designed to introduce students to the historical development of theater. Students will examine the techniques, terminologies, and characteristics of Greek, Eastern Roman, Medieval, Renaissance, pre-Modern, Modern, African, and Afro-American theatre.

HUM 242 ACTING FOR STAGE AND TV 3.0 CREDITS

PREREQUISITES: ENG 101 and ACTING I
This course is designed to further students' understanding of the skills and challenges of acting. Students will learn the methods and techniques of acting for stage and television, the terminology specific to stage and television acting, theatrical approaches to character development, on-air narration and performing, philosophies of acting, and basic voice, articulation, and movement techniques. Students are required to participate in the performance of selected scenes on stage and on camera.

HUM 243 BACKSTAGE II 3.0 CREDITS

As a continuation of Backstage I, students will further develop their understanding of the elements that support the production of a staged performance.

HUM 244 BLACK THEATRICAL STYLES 3.0 CREDITS

Students will investigate the history of African-American theatrical styles as a means of interpreting American culture. Periods and topics to be studied include the ante-bellum period: American theater in the early 1800s, birth of the minstrel show; the post-Civil-War period; the Harlem Renaissance; works of Paul Robeson, Langston Huges, and others; influences of early film on Black images of America: race movies of the 1920s, 1930s, and 1940s; the civil rights period: new Black pioneers in the theater of the 1950s and 1960s; theater of proteset and the birth of Black theater companies; present trends in Black American theater, from Black exploitation in the films of the 1970s to the Black entertainer as a force in the 1980s; as well as a global look at Black images in theater. Theater in these periods will be analyzed for its theatrical content, its relationships to social issues, and its impact on the theatrical culture of America.

HUM 258 THEATER ARTS INTERNSHIP 3.0 CREDITS

The internship is designed to enable students with a concentration in the theater to earn (3) credits for a semester’s internship in community, commercial and regional theater projects outside of the College. The student will be required to participate in the internship for a minimum of eight (8) hours to a maximum of ten (10) hours per week for the duration of the semester.
Prerequisite: HUM 141 and ENG-101

HUM 270 ADVANCED DRAWING 3.0 CREDITS

Students will continue to refine their creative expression based on the concepts and techniques acquired in HUM 165 and HUM 166, with a focus towards developing professional artistic standards.
Prerequisite: HUM 166

HUM 290 HONORS COLLOQUIUM 3.0 CREDITS

PREREQUISITE: ENG 101 and Permission of Program Coordinator

This course is designed to serve as the foundation course for the honors program at Roxbury Community College. This course will focus on an interdisciplinary theme, which can be explored from multiple perspectives and disciplines. The semester theme will be examined through works of literary merit - fiction and non-fiction, critical essays, historical and scientific documents. In addition to the course work, a research paper and a final presentation are required of all participants.

HUM 298 HUMANITIES INTERNSHIP 3.0 CREDITS

REQUIRES Permission of Internship/Program Coordinator
Prerequisites are enrolled in a degree or certificate program, completion of English Composition 101, three-courses in the major, posses a minimum 2.0 GPA and. This three-credit course is offered during the fall and spring semesters. It is designed for students to gain hands-on experience a resume builder and an opportunity to network. Students will develop a resume, cover letter and references prior to placement. Students will meet with the Internship Coordinator and an Assigned Internship Faculty Advisor from their program of study during the course of the semester to monitor the interns' progress. Students are required to complete 150 hours (minimum of 10 hours per week), assigned readings, a mid-term project and a final project that will include an oral/poster presentation. Students currently employed in their program of study may be eligible to combine an internship with employment

HUM ELE HUMANITIES ELECTIVE 3.0 CREDITS

HUM ELE1 HUMANITIES ELECTIVE I 3.0 CREDITS

HUM ELE2 HUMANITIES ELECTIVE II 3.0 CREDITS

IST

IST 110 IT PROBLEM SOLVING 3.0 CREDITS

PREREQUISITES: Eligibility for Eng 101
Previously CIS 102
This course is designed to present the fundamentals of problem solving by giving students a wide range of modern IT arena. It examines the importance of key issues such as security, privacy, and ethics. IT concepts to be introduced will include programming, databases, networking, research, web servers and how they work together in a modern system. Students work in groups to implement examples of these systems leaving the course with soft skills and an understanding of the components of modern systems and the scope of knowledge needed to become an IT professional.

IST 112 MICROCOMPUTER OPERATING SYSTEMS 3.0 CREDITS

PREREQUISITES: ENG Comp I eligible
Previously CIS 111
In this course the students will learn some of the most important topics about Microsoft Windows 7 or the latest Operating Systems. Students will be provided with the basic skills needed to get started with personal computers and to work with the various features, tools, and options that are available in Windows 7. Course content will include the basics of personal computers, customizing Windows 7, creating movies and DVD videos, exchanging mail, news, and appointments, securing your computer, and managing file and folders. Students will also work with simple tools and browse the Internet.

IST 115 PC CONFIGURATION & MGT I 3.0 CREDITS

PREREQUISITES: ENG Comp I eligible, IST 110, or permission of instructor
Previously CIS 118
This course is an introduction to the techniques essential to supporting PCs in widely diverse environments. It focuses on the information needed to install, configure, upgrade, diagnose, maintain, and troubleshoot the hardware components of a microcomputer (PC) quickly and effectively. Topics include how computers work, how software and hardware work together, the system board, understanding and managing memory, floppy drives, introduction to hard drives, hard drive installation and support, troubleshooting fundamentals, supporting Input/Output devices, multimedia technology, and networking fundamentals.

IST 116 PC CONFIGURATION & MGT 2 3.0 CREDITS

PREREQUISITES: IST 115 (CIS 118)
Previously CIS 119
This course is a continuation of PC Configuration & Management I. Hardware related topics include electricity and power supplies, managing physical and virtual memory, and techniques for customizing a PC. Software related topics include configuring and troubleshooting the Windows operating systems, purchasing a PC or building your own, communicating over phone lines, networking fundamentals and the Internet, printers and Notebook computers, viruses, disaster recovery and maintenance plan, the professional PC Technician. Students learn methods and techniques used by professional PC technicians to diagnose and repair systems.

IST 117 IT ESSENTIALS-PC HARDWARE AND SOFTWARE 4.0 CREDITS

PREREQUISITE: ENG101 Eligible
This course covers the fundamentals of computer hardware and software. It is designed to equip students with the hands-on activities and skills necessary to assemble computers, troubleshoot hardware and software issues using e-learning system tools and diagnostic software, connect to the internet and share resources in a network environment, learn proper procedure for hardware and software installations, upgrades, and prepare them to take the Cisco Comp TIA A+ essentials exam.

IST 120 MICROCOMPUTER APPLICATIONS 3.0 CREDITS

PREREQUISITES: ENG Comp I eligible
(Hybrid) = course taught on campus with online component
Previously CIS 141
In this course, students will learn the most important topics of Microsoft Office. Topic includes overview of computer concepts, introduction to Windows, Microsoft Word, Microsoft Excel, Microsoft Access, and Microsoft PowerPoint. You will learn how to use Object Linking and Embedding (OLE) to create

integrated Office documents. Courseware used is approved for the Microsoft Office User Specialist (MOUS) program. The course offers extensive hands-on components in the use of state-of-the-art technology.

IST 121 ADVANCED MICROCOMPUTER APPS 3.0 CREDITS

PREREQUISITES: ENG 101, IST 120 (CIS 141)
Previously CIS241
This course covers advanced microcomputer applications including Microsoft Word, Microsoft Excel, Microsoft Access, Microsoft PowerPoint, and integration of the applications. Topics include form letters, merging, desktop publishing, financial functions, amortization schedules, macros, VBA, data tables, creating and querying a worksheet database, templates, creating customized reports and forms in Access, Switchboard Manager, embedded visuals, and importing clips into PowerPoint.

IST 124 INFORMATION SECURITY FUNDAMENTALS INF SEC FUND 4.0 CREDITS

COURSE PREREQUISITES: ENG101 Eligible, MAT103 or Placement.
This course offers in-depth coverage of the current risks and threats to an organization's data, combined with a structured way of addressing the safeguarding of these critical electronic assets. The course provides a foundation for those new to Information Security as well as those responsible for protecting network services, devices, traffic, and data. Additionally, the course provides the broad-based knowledge necessary to prepare students for further study in other specialized security fields. It is also intended to serve and prepare students seeking to pass the Computer Technology Industry Association's (CompTIA) Security + certification exam (SYO-401).

IST 130 LINUX OPERATING SYSTEMS 3.0 CREDITS

PREREQUISITES: IST 110 and ENG 101 eligible
This course is designed to introduce students to Linux and UNIX. Students will install, setup, and operate standard tools and learn how they operate together. The course addresses management of the Linux file system and utilities; file editing; file permissions; pipes, redirection, and filters; text handling utilities; mail facility; BASH shell, variables, and basic scripts; process management; and shell programming basics. Students will be exposed to Linux/Unix principles through hands-on lab assignments utilizing a Linux server. By course end students will have installed a fully functional Internet server while understanding its structure. Security issues of operating systems will be covered in the course.

IST 141 WIRELESS NETWORKING 3.0 CREDITS

PREREQUISITES: IST 110
Formerly CIS 185
This course introduces students to Wireless Networks, which will comprise of Wireless Personal Area Network (WPAN), Wireless Local Area Network (WLAN), and Wireless Wide Area Network (WWAN). The course contents include physical layer standards, medium access control, building and securing WLAN. Topic discussions will be on Wide Area Networks, including cellular networks involving cellular data networks, and Implementation of Wireless Access Protocols to WAP enabled devices. Also, there will a brief introduction to Wireless Internet. Theory classes will be supplemented with labs to enhance practical knowledge in integrating, testing, commissioning, network management of wireless networks.

IST 142 NETWORK FUNDAMENTALS-CISCO 4.0 CREDITS

PREREQUISITE: IST 110 or Permission of Instructor
This course provides foundation knowledge in networking, introducing applications and application services. We will utilize Cisco’s online learner management system as well as Cisco internetworking hardware to gain hands-on experience. Advanced technologies (voice, video, wireless, and security) are also introduced. Topics include: network protocols, topologies, Network Media, LANs, subnet masks, design and documentation, routers and switches.

IST 143 ROUTING PROTOCOLS AND CONCEPTS 4.0 CREDITS

Prerequisite: IST 142 or Perm. of Department Chair
This course provides specifics in how routers communicate with each other, disseminating information that enables them to select routes between any two nodes on a computer network. We will utilize Cisco’s online learner management system as well as Cisco packet tracer activities and internetworking hardware to gain hands-on experience in designing and configuring networks. Topics includes: router components, configuring and verifying routers, IOS, TCP/IP, addressing, routing protocols, classless IP and more.

IST 144 LAN SWITCHING AND WIRELESS 4.0 CREDITS

PREREQUISITE: ENG101 ELIGIBLE, IST142 OR PERMISSION OR INSTRUCTOR
This course provides specifics in switching and wireless technologies in network design. We will utilize Cisco’s online learning management system as well as Cisco internetworking hardware to gain hands-on experience in designing and configuring Local Area Network (LAN), Switching, and Wireless. Topics include: components, network diagrams, RSTP and VTP, switches, wireless network, VLANs, Layer protocols and concepts, and remote access management.

IST 145 VISUAL BASIC 3.0 CREDITS

PREREQUISITES: IST 110 or concurrent, ENG 101 eligible
Formerly CIS 122
This course is designed to give the student knowledge of the features of the Visual BASIC programming language. Students will learn about Visual BASIC environment, error trapping, debugging and distributing applications, multiple document interface applications, building applications with graphics and drag and drop functionality, database applications, design of user-friendly screens compatible with a Windows environment, creating your own objects, and programming using OLE (Object Linking and Embedding).

IST 150 WEB DESIGN FLUENCY 3.0 CREDITS

PREREQUISITES: ENG 101 eligible; IST 110 or Concurrent
Formerly CIS 155
This course is designed to give students an in-depth understanding of how web sites and servers are created and how they work. Students will use an integrated development environment (IDE) to design, create and administer an extensive dynamic web applications project.

IST 151 WEB DEVELOPMENT & DESIGN 2 3.0 CREDITS

PREREQUISITES: IST 150
Formerly CIS 157
Students will work closely with production level design and implementation of web sites. Web site design and the development process will be emphasized. Advanced tools in design, graphic layout and user interaction will be used. Electronic data interchange; web databases and user interactivity will be introduced. Web design tools such as Dreamweaver and CSS and advanced applications of HTML will be utilized. Introduction to Script programming will be included too. Students will produce a digital portfolio of advanced Web design elements and concepts. This is a required course for the Web Technologies degree.

IST 160 INTRODUCTION TO GAME DESIGN 3.0 CREDITS

PREREQUISITES: ENG Comp I eligible and eligibility for college-level mathematics
This course provides an introduction to the electronic game industry; in addition, each student will develop a video game during the course using a development program provided in the classroom. It has three main objectives: (1) to survey the organization and procedures of professional development in games and interactive software; (2) to develop critical skills for observing and understanding game design through reflective play; and (3) to introduce a first game development tool, object-oriented game design platform. This course is a lot of fun and gives a great introduction to the game development. Demonstrating the game to classmates and the instructor will be the final exam.

IST 161 GAME DESIGN AND DEVELOPMENT 3.0 CREDITS

PREREQUISITES: IST 110, IST 160
This course introduces students to the demanding area of interactive simulation and game development. The course focuses on the two main parts of computer gaming. The following game design concepts will include the history of gaming, game psychology, and generating game design outlines and the concrete development of games. Students will learn about the key mechanisms of modern simulations and games from both a design perspective and a technical perspective. Lab activities are designed to encourage critical thinking and problem solving skills through the development of an understanding of the development process. The students will design, implement, and test computer games using software that allows for basic game creation through an extensive variety of game creation tools.

IST 170 JAVA I 3.0 CREDITS

PREREQUISITES: ENG 101 eligible, IST 120 (CIS 141), and college-level mathematics
Formerly CIS 255
This course covers the elements of object-oriented programming and the Java Programming Language. Topics covered include object-oriented programming constructs, such as primitive data types, input/output, control structures, methods, classes, and arrays. Students will gain programming skills by writing short programs in order to demonstrate an understanding of the course.

IST 180 COMPUTER SCIENCE I 4.0 CREDITS

PREREQUISITES: MAT 201 Calculus I or Placement into MAT 201
Formerly CIS 210
This the first programming course in the Computer Science degree program. The course will be taught using JAVA programming language to introduce concepts involved in using object oriented approach with a high level language in the program development process. The course will be very demanding and will focus in the design and implementation of large complex programs.

IST 210 SOCIAL ISSUES & ETHICS IN COMPUTING 3.0 CREDITS

PREREQUISITE: ENG 101 or Permission of Instructor
This course examines the ethical issues arising from advances in computer technology and the responsibility that computer professionals and users have in regards to computer use by focusing on the intrinsic link between ethics and the law. Both ethics and the law try to define the validity of human actions, and on the moral and ethical dilemmas created by computer technology that challenge the traditional ethical and moral concepts. Topics include issues of professional ethics, computer crime, privacy, freedom of expression, software development, intellectual property, and the balance between scientific advances and the acceptability of risk. Students will write an analytical paper on an appropriate topic and present their findings to the class.

IST 220 SYSTEMS ANALYSIS & DESIGN 3.0 CREDITS

PREREQUISITES: ENG 101, IST 145 and college level mathematics
Formerly CIS 221
The purpose of this course is to develop an understanding of the planning, analysis and design processes involved in information system development life cycle (SDLC). Students will learn to critically analyze information behavior and requirements in context, to identify and articulate the information processing issues at hand, and to develop a high level design for an information system that successfully responds to those issues and use object-oriented methods to document, analyze, and model the information system. The course will cover general systems theory with emphasis on the methodologies and procedures used in organizational problem solving and systems development. Topics include methods for data collection; cost-benefit analysis; feasibility analysis, logical design leading to functional specifications; rapid prototyping and CASE tools.

IST 230 RELATIONAL DATABASES 3.0 CREDITS

PREREQUISITES: IST 110 (CIS 102)
Formerly CIS 281
This course is designed to introduce students to relational databases from concept to design and how to apply these concepts to different scenarios. Students will demonstrate their understanding by utilizing the SQL programming language to access relational databases. Among the topics covered will be data modeling, data definition and manipulation capabilities and DBMS architecture levels.

IST 231 INTRODUCTION TO SQL 3.0 CREDITS

PREREQUISITES: IST 230 (CIS 281) or permission of instructor
Formerly CIS 283
This course offers students an opportunity to take the conceptual expertise developed in Data Base Design I and ground it in the physical world of databases. Using SQL (pronounced “sequel” for Structured Query Language), students complete this course knowing an industry-standard language

used by companies world-wide for building databases and data management systems. The course covers the concepts of both relational and objects relational databases. Building on the professional skills from Data Base Design I, students learn interviewing skills and project management from a tactical perspective. By the end of this course, students will create and maintain database objects, and store, retrieve, and manipulate data. They have the ability to implement designs created in the previous course into physical databases. Demonstrations and hands-on practice reinforce the fundamental concepts. This class can be used as preparation for the "Introduction to Oracle 9i - SQL" Oracle Certified Professional (OCP) exam.

IST 235 ADVANCED DATABASE MANAGEMENT 3.0 CREDITS

PREREQUISITES: ENG 101, IST 120 (CIS 141)
Formerly CIS 205
This course reviews various Database systems. Database reorganization, transaction analysis and database performance is discussed. Advanced topics include object-oriented programming and how to build Web sites that incorporate authentication and security. After you complete this course, you will be able to use PHP and MySQL to build professional quality, database-driven Web sites.

IST 240 NETWORK SECURITY 3.0 CREDITS

PREREQUISITES: IST 140 (CIS 181) or IST 141 (CIS 185)
Formerly CIS 251
This course is designed to give students a fundamental understanding of computers and network security. Students will be introduced students to a wide variety of concepts related to computer security and will provide in depth instruction in the basics of network protections. Course content includes security objectives, security architecture, security models and security layers, risk management, network security policy and security training. This material will help protect the confidentiality, integrity, availability, accountability and audit ability needed in securing the networks. Common network attacks are introduced. Cryptography basics are incorporated, and operational/organizational security is discussed as it relates to physical security, disaster recovery, and business continuity. Computer forensics will also be introduced.

IST 241 NETWORK DESIGN 3.0 CREDITS

PREREQUISITES: IST 140 (CIS 181) or IST 141 (CIS 185)
Formerly CIS 265
This course covers the principles of the design of LANs and WANs. Topics include network architecture, transmission systems, traffic management, bandwidth requirements, Internetworking devices, redundancy, and broad-band versus based-band systems. Upon completion, students should be able to design a network to meet specified business and technical requirements.

IST 242 ACCESSING THE WAN 4.0 CREDITS

Prerequisites: IST 142, IST 144 or permission of Instructor.
This course discusses the Wide Area Network (WAN) technologies and network services required by converged applications in enterprise networks. We will utilize Cisco's online learning management systems as well as Cisco internetworking hardware and e-learning to gain hands-on experience and proficiency in designing and configuring and accessing wide area networks (WAN). Topics include: WAN design, Point-to-Point Protocol (PPP), ISDN, DHCP and DNS operations, WAN security concepts, network vulnerability and security issues, ACLs, SDM, Frame relay and CCNA exam preparation.

IST 245 MS WINDOWS SERVER ADMIN - CISCO 4.0 CREDITS

This course is designed to equip students with the skills and knowledge necessary to plan, manage and maintain the core infrastructure required for a Windows Server environment. The key focus for students in this course is to broaden the initial deployment of Windows Server services and infrastructure and provide the skills necessary to manage and maintain a domain based Windows Server environment, such as user and group management, network access and data security. Topics include: Server Overview, Managing Windows Server, Managing Storage, Monitoring and Troubleshooting Servers, Essential Services, File and Print Services, Popular Windows Network Services and Applications. This course prepares students to take the Windows Server Administration Fundamentals exams. Prerequisites: IST 117, IST 142, ENG 091 eligible.

IST 250 WEB GRAPHICS 3.0 CREDITS

PREREQUISITES: IST 151 (CIS 157)
Formerly CIS 159
This course focuses on advancing student in the tools and techniques used to create and use web graphics. Adobe Photoshop and ImageReady will be some of the tools used to create, acquire, scan and edit web graphic and photographs. Some of the topics covered will include image optimization, galleries, animation, icons, rollovers, splash screens, and image maps. Other animation formats such as, Flash and Shockwave will be discussed. Various web coding such as HTML, Java Script etc will be used to place and display the graphics on the web.

IST 251 INTERNET PROGRAMMING 3.0 CREDITS

PREREQUISITES: IST 151 (CIS 157)
Formerly CIS 257
This course focuses on advancing student in the tools and techniques used to create dynamic web applications within the client and server sided scripting environment. Scripting language such as VBScript, JavaScript and Active Server Pages will be utilized to build interactive web pages. Some of the topics covered will include conversion of databases to SQL Server, shopping carts, dynamic table of contents, arrays, collections, control structures, cookies, ADO, OBDC, and OLE DB. Extensive hands-on projects revolving around actual business scenarios will created.

IST 270 JAVA II 3.0 CREDITS

PREREQUISITES: IST 170 (CIS 255)
Formerly CIS 271
This course will be presented using Java language. There will be emphasis on using object-oriented design and programming concepts. Topics such as: object, type, class, function overloading, implementation hiding, inheritance, parametric typing, polymorphism, source code reusability, object code reusability will be introduced. This course is quite demanding because of the length of the programming exercises assigned.

IST 280 COMPUTER SCIENCE 2 4.0 CREDITS

PREREQUISITES: IST 180 (CIS 210), MAT 201

Formerly CIS 220
This is the second programming course in the Computer Science degree program. The course will be a continuation of CIS 20-210 taught using JAVA programming language in the design and implementation of computer programs in a high-level language, with emphasis on proper design principles and advanced programming concepts, including dynamic data structures and recursion. Efficient design, implementation and debugging techniques are stressed. The assignments are designed to introduce the student to a variety of topics in computing: data structures and ADTs, Lists, Stacks, Queues, Ordered Lists, Binary Trees, and searching and sorting techniques. The course will be very demanding and will focus in the design and implementation of large complex programs.

IST 281 DATA STRUCTURES & ALGORITHMS 4.0 CREDITS

PREREQUISITES: IST 280
Formerly CIS 230
This course builds on the foundation provided by the Computer Science I (IST180) and Computer Science II (IST 280) courses which introduce the fundamental concepts of data structures and the algorithms that proceed from them. Topics will include data abstraction, encapsulation, information hiding, and the use of recursion, creation and manipulation of various data structures: lists, queues, tables, trees, heaps, and graphs, and searching and sorting algorithms.

IST 298 IST INTERNSHIP 3.0 CREDITS

PREREQUISITE: 18 CREDITS IN IST CORE AND A MINIMUM 2.0 GPA.
An internship provids the student an excellent way to gain relevant work experience and apply principles and issues raised in the academic discipline to a work environment. This course is a blend of classroom study and work experience related to the student's major option. Student's benefit by applying knowledge aquired in course work to a job environment by developing their skills, and by learning and understanding Information Technology. Job interviewing skills and resume-writing workshops are required. Placement monitoring, evaluation, and support for job-keeping and problem solving are provided. Students must be available to work a minimum of 10-20 hours per week for at least 10 weeks.

IST 299 IST INTERNSHIP II 3.0 CREDITS

This three-credit course is designed for students to gain hands-on experience in a work setting related to their career interest. Students must develop a resume cover letter and references prior to placement. Students are required to complete 150 internship hours (minimum of 10 hours per week) assigned reading, a mid-term project and a final project that will include an oral presentation. Students currently employed in their program of study may be eligible to combine the internship with their employment.

IST ELE INFORMATION SYSTEM TECHNOLGY ELECT 3.0 CREDITS

IST ELEC INFORMATION SYSTEM TECHNOLGY ELECT 3.0 CREDITS

LAN

LAN 103 ACADEMIC ENGLISH MULTILINGUAL STUDE INTEGRATED COMMUNICATION 3.0 CREDITS

Prerequisites ENG095, or Placement test (Reading 250-300, Writing 2-8)

This communication course prepares advanced multilingual students to engage with academic
reading, vocabulary, speaking, and listening in English. Multilingual students build fluency and accuracy in their use of spoken English from a wide range of academic disciplines. Students will also work with several types of authentic reading and listening materials to gain comfort with
both holistic and analytical approaches to language learning. This course satisfies Humanities
elective requirements for graduation.

LAN 104 ACADEMIC ENGLISH FOR MULTI LINGUAL CROSS CULTURAL COMMUNICATION 3.0 CREDITS

Prerequisites: ENG 101 or LAN 103
This course examines verbal and nonverbal communication among members of defined
cultural groups. The focus is on developing understanding and awareness of reasons for
culturally specific behavior. Reading selections on social, educational, and business nmms in a variety of ethnic groups are included. Students engage in discussions as well as individual and group oral presentations during the semester. This course is recommended for multilingual
learners and satisfies Humanities elective requirements for graduation.

LAN 111 SPANISH I 3.0 CREDITS

Prerequisite: Placement Test is Required
In this introductory Spanish language course for non-Spanish speakers, students will focus on developing basic vocabulary, grammar, and pronunciation skills through reading, listening, and speaking exercises. Students will also be introduced to the cultures of Spanish-countries.

LAN 112 SPANISH II 3.0 CREDITS

PREREQUISITE: LAN 111 OR PLACEMENT TEST
Students enrolled in this course for non-Spanish speakers will focus on developing aural and oral communication skills through guided conversation and through classroom reading and writing assignments. Emphasis will be placed on contemporary issues in Spanish-speaking countries.

LAN 141 FRENCH I 3.0 CREDITS

Prerequisite: Placement Test is Required
In this introductory French language course for non-French speakers, students will focus on developing basic vocabulary, grammar and pronunciation skills through reading, listening, and speaking exercises. Students will also be introduced to the cultures of French-speaking countries.

LAN 142 FRENCH II 3.0 CREDITS

PREREQUISITE: LAN141 OR PLACEMENT TEST

Students enrolled in this course for non-French speakers will focus on developing communication skills through guided conversation, and through classroom reading and writing assignments. Emphasis will be placed on contemporary issues in the diverse French-speaking countries.

LAN 161 ARABIC I 3.0 CREDITS

This course is designed for students with no previous knowledge, or very limited knowledge of the Arabic language. Arabic 161 focuses on learning the script, sound and writing systems in Modern Standard Arabic (MSA). All Language skills will be equally emphasized; listening, speaking, reading and writing. The course will also present culture in the Arabic speaking world through various activities.

LAN 162 ARABIC II 3.0 CREDITS

PREREQUISITE: LAN 161
LAN 162 is a continuation of LAN161. The main focus will be building vocabulary and mastering basic grammatical structures. Training in reading and writing Arabic sentences and enhancing spoken skills necssary for a variety of daily activities will also be stressed. Emphasis will be placed on assimilating the language for more complex cummunicative purposes related to describing self, family members, career plans, and abstract concepts such as personal feeling and decisions.

LAN 211 SPANISH III/INTERMEDIATE 3.0 CREDITS

PREREQUISITE: Spanish II (LAN 112) or Placement Test
This course emphasizes active review of skill development in Spanish grammatical structure through speaking, understanding, writing, and reading short stories and literary excerpts in Spanish.

LAN 212 SPANISH IV 3.0 CREDITS

PREREQUISITE: Spanish III
Students will refine their oral communication skills through conversation, debates, small group work, and individual projects. The course highlights analysis and discussion of modern masterpieces of Hispanic literature and films in order to advance oral and written communicative competency in Spanish.

LAN 241 FRENCH III/INTERMEDIATE 3.0 CREDITS

This course emphasizes speaking, listening, reading and writing, with a review of grammar necessary to support and develop these communicative skills. Students will become acquainted with French literature, culture and civilization.
Prerequisite: LAN 142 or placement test

LAN 242 FRENCH IV/INTERMEDIATE 3.0 CREDITS

PREREQUISITE: LAN 241
This course focuses on increasing conversational ability and listening comprehension through discussion of practical communicative situations, and contemporary French culture, ideas and daily business practices. Learning Resources Center materials are available for student use in support of this course.

LAN 261 FRENCH-AFRICAN LITERATURE 3.0 CREDITS

This course provides study of major works of French-speaking writers of Africa and the Antilles. Poetry and novels from Senegal, Haiti, Martinique and Guadalupe are read and discussed with an emphasis on such authors as Cesaire, Senghor, Roumain, Damas and Panon.
Prerequisite: LAN142 or placement test

LAN 263 ARABIC III 3.0 CREDITS

Arabic III is the third semester of Modern Standard Arabic (MSA). Building upon the proficiency of level II, students will focus on acquiring additional vocabulary with which to engage in daily conversations in order to be able to both speak and comprehend more complex sentences. Students will also learn to predict the meaning of unfamiliar words based on general principles of word formation, roots and context. Although conversational proficiency continues to be emphasized, students at this level also begin to improve their reading skills and use the dictionary with ease. Information about aspects of Arabic culture will enhance student understanding and use of the language.

LAN ELE LANGUAGE ELECTIVE 3.0 CREDITS

LAN ELE2 LANGUAGE ELECTIVE II 3.0 CREDITS

MAT

MAT 103 PRE-CALCULUS COREQ 4.0 CREDITS

PREREQUISITE: Placement
Pre-Calculus is a preparatory course for calculus. It builds upon intermediate level of algebra and makes intensive use of technology to conceptualize functions and methods of function manipulation with emphasis on quantitative change. Topics include a library of functions (linear, quadratic, exponential, logarithmic, polynomial, rational and trigonometric), transformations, compositions, inverses and combinations of functions and solving triangles. This course requires use of technology that is equal or better than TI83 graphing calculator.

MAT 111 MATHEMATICS FOR TECHNOLOGY 3.0 CREDITS

COREQUISITE: SCI 206 Biomanufacturing
This is a college-level course in the mathematics needed in the modern laboratory. Topics include scientific notation and logarithms, ratios and proportions, density and unit conversions, dilution and concentration, linear and exponential graphs, data analysis and experimental design.
This course may or may not transfer to another institution of higher learning depending upon that institution's requirements.

MAT 120 INTRO TO STATISTICS 3.0 CREDITS

Prerequisite: Placement Test
Introduction to STATISTICS is a non-calculus based descriptive and inferential statistics course with applications. Topics include methods of collecting, organizing, visualizing, and interpreting data; measures of central tendency and variance for grouped and ungrouped data; elementary probability theory; binomia distributions; normal distributions; the Central Limit Theorem; Student and Chi-Squared distributions; hypothesis testing; correlation and regression analysis; and confidence intervals.

MAT 120C INTRO TO STATISTICS COREQUISITE 3.0 CREDITS

Prerequisite: Placement Test
Introduction to STATISTICS is a non-calculus based descriptive and inferential statistics course with applications. Topics include methods of collecting, organizing, visualizing, and interpreting data; measures of central tendency and variance for grouped and ungrouped data; elementary probability theory; binomia distributions; normal distributions; the Central Limit Theorem; Student and Chi-Squared distributions; hypothesis testing; correlation and regression analysis; and confidence intervals.

MAT 121 STATISTICS STATISTICS 3.0 CREDITS

MAT 201 CALCULUS I (W/APPLC) 4.0 CREDITS

PREREQUISITE: MAT 103 or Placement Test.
This course introduces the concepts of limits, continuity, derivability and integration. Topics include differentiation of algebraic and transcendental functions, rules of differentiation, implicit differentiation, applications of derivative to physics and economics, Newton's method of solving equations, and the fundamental theorem of calculus. Technology will be used to aid in problem solving and understanding calculus concepts.

MAT 203 CALCULUS II (W/APPL) 4.0 CREDITS

Prerequisite: Calculus I (W/Applications) (MAT 201)
MAT 203 is continuation of MAT201. Topics include the definition of the integral as a Riemann sum, the Fundamental Theorem of Calculus, area of a region between two curves, volumes of revolution using disk and shell methods, other applications of integration, Simpson's and Trapezoidal Rules for areas, integration by parts, integration using tables, improper integrals, and introduction to sequences and series.

MAT 205 CALCULUS III(W/APPL) 4.0 CREDITS

PREREQUISITE: MAT 203, Placement, or Instructor approval.
MAT 205 is a continuation of MAT 203. This course extends the methods of differential and integral calculus to functions of several variables. Topics studied include: vectors in two and three dimensions, dot and cross products and their applications; equations of lines and planes, quadratic surfaces; polar, cylindrical and spherical coordinates; partial derivatives, directional derivatives and gradients; optimization problems; multiple integrals and their applications; paths in 3-space and their tangent vectors and normal planes. 4 credits.

MAT 225 LINEAR ALGEBRA 4.0 CREDITS

This course studies the duality between the world of matrices used to solve linear equations and linear mappings of vector spaces. Topics include matrix algebra, Gaussian elimination, Gauss-Jordan elimination, and determinants. Finite dimension vector spaces will be introduced. Bases, linear transformations, linear dependency, and cross products will be explored. The dot product in N-dimensional space will lead to a discussion of orthogonality and eigenvalues. 4.0 credits.
Prerequisites: Calculus 1 or Instructor approval

MAT 244 ORDINARY DIFFERENTIAL EQUATIONS ORD DIF EQUAT 4.0 CREDITS

PREREQUISITE: MAT203 Engineering Calculus II or Special Permission
Introduction to the solution of ordinary differential equations (ODEs). Topics will include Eulers method, first-order ODEs and higher order linear ODEs with constatnt coefficients, using Fourier series, using Laplace transforms, and applications.

MAT _BM BASIC MATH PLACEMENT 0.0 CREDITS

NUR

NUR 121 CLINICAL JUDGEMENT IN NURSING 2.0 CREDITS

This course introduces clinical judgment using a structured model and framework of critical thinking skills and strategies used by the Registered Nurse. The student applies the learned critical thinking skills and strategies that support the clinical judgment needed when using the nursing process in planning safe patient care as well as dealing with system issues in the current healthcare environment. This course provides the foundation for the clinical judgment process applied throughout all nursing courses.

NUR 125 FUNDAMENTALS AND GERONTOLOGICAL CON 7.0 CREDITS

This course focuses on fundamental concepts necessary for safe, compassionate, patient-centered nursing care of diverse patients with well-defined healthcare concerns with a focus on care of the elderly. The course will also examine the patient as they relate to the family and the community. Analysis of the older/elderly adult will be conducted throughout. This course offers an introduction to concepts related to professional practice such as: legal and ethical responsibilities of the Registered Nurse, nursing process, activities of daily living, communication, nutrition, hygiene and physical assessment, basic pharmacology and therapeutic measures. Students also begin to apply these concepts to adaptation to daily living that occur during illness. Finally, student will receive an introduction to critical thinking, evidence-based practice and patient teaching. Select nursing skills are taught in the skills laboratory; theory, patient care skills, and clinical judgment are applied in various clinical settings.

NUR 175 INTERMEDIATE AND MENTAL HEALTH NURS 9.0 CREDITS

Prerequisites: NUR 121, NUR 125

This course expands on acquisition of nursing theory and practice which is then applied to the care of diverse adult patients with acute and chronic health conditions and the care of patients with various mental health needs, their families, and other support persons. Application of knowledge, patient care skills, and clinical judgment occurs in a variety of clinical settings.

NUR 225 MATERNITY/NEWBORN AND PEDIATRIC CON 9.0 CREDITS

Prerequisits: NUR 175 and ENG 102
This course expands on acquisition of nursing theory and practice which is then applied to the care of diverse adult childbearing women/newborns and children. Application of knowledge, patient care skills, and clinical judgment occurs in a variety of clinical settings.

NUR 275 COMPLEX NURSING 9.0 CREDITS

This course expands on acquisition of nursing theory and practice which is then applied to the care of diverse adult patients with complex health conditions. Application of knowledge, patient care skills, and clinical judgment occurs in a variety of clinical settings.

NUR 295 TRANSITION TO R.N. PRACTICE 2.0 CREDITS

This advanced, comprehensive course provides a synthesis of all nursing concepts and content taught throughout the program. This course enables the individual student to recognize areas that need enhancement prior to entering Registered Nursing practice and includes a review for the NCLEX-RN with strategies for success.

SCI

SCI 103 BIOLOGY I W/LAB 4.0 CREDITS

English Composition I (ENG 101) Eligible; This course provides an introduction to the molecular and cellular basis of life, the theory of evolution and the diversity of microscopic organisms. Four hours of lecture and a two-hour lab session are required each week.

SCI 104 BIOLOGY II W/LAB 4.0 CREDITS

PREREQUISITE: SCI103
This course provides an introduction to the biology and classification of plants, fungi, and animals, their tissues, organ systems, development and reproduction. Four hours of lecture and a two-hour lab session are required each week.

SCI 106 NUTRITION W/LAB 4.0 CREDITS

This is a basic course in the nutritional value of food and the relation of nutrition to health during the several stages of the growth process: pregnancy, infancy, early childhood, adolescence, adulthood, and old age. This course includes a comprehensive study of nutrients, government food programs and nutrition standards; surveys and interventions. Current nutrition research, popular nutritional concepts, and the importance of nutrition in preventive medicine are stressed. Four hours of lecture and a two-hour lab session are required each week.

SCI 109 HUMAN BIO/MED TERM W/LAB 4.0 CREDITS

This course is designed for medical secretaries. It includes a study of the structure and function of the human body, with particular attention to medical terminology. Four hours of lecture and a two-hour lab are required each week. The course is offered as needed.

SCI 111 GENERAL BOTANY W/LAB 4.0 CREDITS

This course provides students with a more in depth study of the biology of plants. It includes the structure, metabolic processes, distribution, and importance of plants on our planet. Four hours of lecture and a two-hour lab session are required each week.

SCI 121 SURVEY OF CHEMISTRY I W/LAB 4.0 CREDITS

This course provides an introduction to fundamental chemical concepts. Topics include scientific measurements, matter and energy, atomic structure, chemical bonding, the periodic table, stoichiometry, equations, solutions, acid base theory, kinetics, and radiation. A three-hour lab session is required each week.

SCI 122 SURVEY OF CHEMISTRY II W/LAB 4.0 CREDITS

PREREQUISITE: SCI 121
This course is designed primarily for students enrolled in Nursing and Allied Health programs, but is open to all students. An overview of organic chemistry and biochemistry is provided. A three-hour lab session is required each week.

SCI 123 PRINCIPLES OF CHEMISTRY I 4.0 CREDITS

Prerequisite: MAT 103 corequisite, English Composition I (ENG 101) Eligible
Principles of Chemistry is a study of fundamental chemical concepts: scientific measurements, matter and energy, stoichiometry, atomic structure, the periodic table, chemical bonding, gases and liquids. The course is designed primarily for students with a concentration in Biological or Physical Sciences and for students interested in transfer to a four-year program in engineering. A three-hour lab session is required each week.

SCI 124 PRINCIPLES OF CHEMISTRY II 4.0 CREDITS

PREREQUISITE: SCI 123
A continuation of SCI123, this course covers the periodic properties of the elements, covalent structures, equilibrium, dissociation, redox reactions, acids and bases, electrochemistry, thermodynamics, and an introduction to nuclear chemistry. A three-hour lab session is required each week.

SCI 133 INTRO ENVIRONMENTAL SCIENCE ECOLOGY 4.0 CREDITS

This course attempts to provide an overview of environmental science, issues and opportunities in the environmental industry. Topics: ecological principles, sustainability, ecosystems, biodiversity, human population and its impact, pollution, and governmental regulations, environmental agencies, and community organizing, as solutions to environmental problems.

SCI 143 PRINCIPLES OF PHYSICS I W/LAB 4.0 CREDITS

PREREQUISITE or COREQUISITE: MAT 201
Principles of Physics is a rigorous physics course with a laboratory session, designed primarily for students who wish to transfer to a four-year engineering program. Topics include mechanics and energy, rotation, and periodic motion. Much emphasis is placed on problem-solving, and competence in mathematics through algebra and trigonometry is expected. A three-hour lab session is required each week.

SCI 144 PRINCIPLES OF PHYSICS II W/LAB 4.0 CREDITS

PREREQUISITE: SCI 143
This course is a continuation of SCI143. SCI 144 covers the areas of electricity, electrical circuits, magnetism, electromagnetism, and optics. This is a calculus based course; emphasis is placed on problem-solving, and competence in mathematics through algebra and trigonometry is expected. A three-hour lab session is required each week.

SCI 151 SCIENCE FOR EVERYDAY LIFE W/LAB 4.0 CREDITS

PREREQUISITES: ENG 101 eligible.
THIS IS A COURSE FOR NON-SCIENCE MAJORS seeking to increase their knowledge of basic scientific principles. Three major areas of science (physics, chemistry, and biology) will be explored using one unifying theme: Energy. Four hours of lecture and two hours of lab are required each week. This course will satisfy graduation requirements as a science elective course.

SCI 200 GENETICS W/LAB 4.0 CREDITS

PREREQUISITES: SCI103 Biology 1 and SCI104 Biology 2. Final Grade of "C" or better in each of two courses.
This course provides an introduction to the principles of genetics and its applications with a focus on the molecular basic of heredity and the role of genes and genomes in health and disease, development, and evolution. Three hours of lecture and a three hour lab session are required each week.

SCI 201 ANATOMY & PHYSIOLOGY I W/LAB 4.0 CREDITS

PREREQUISITE: SCI 103.
This course is designed to provide students with a basic understanding of the structure, function, and disorders of the human body. Topics include an overview of the integumentary, skeletal, muscular, and nervous systems, as well as discussion of tissues and special senses. A three-hour lab session is required each week.

SCI 202 ANATOMY & PHYSIOLOGY II W/LAB 4.0 CREDITS

PREREQUISITE: SCI 201
This course is a continuation of SCI201. Topics include body fluids, electrolytes, and the cardiovascular, lymphatic, respiratory, digestive, urinary, endocrine, and reproductive systems. A three-hour lab session is required each week.

SCI 204 MICROBIOLOGY W/LAB 4.0 CREDITS

PREREQUISITE: SCI 103
This course explores the history, scope, classification, growth, identification, genetics, and metabolism of microorganisms. Host-parasite interactions, immunology, and some bacterial, viral, fungal, and parasitic diseases are discussed. A three-hour lab session is required each week.

SCI 206 BIOMANUFACTURING I W/LAB 4.0 CREDITS

PREREQUISITE: SCI 104 and SCI 123 AND ENG 101
COREQUISITE: MAT 111 and SCI 204
**Requires instructor's permission"
This course provides an introduction to biomanufacturing principles and laboratory techniques. Topics include preparation of buffers and media, use of basic laboratory equipment, bacterial, yeast and mammalian cell culture, transfection, cell preservation, equipment maintenance, and good manufacturing practices and regulatory issues. Two hours of lecture and six hours of laboratory are required each week.

SCI 207 BIOMANUFACTURING II W/LAB 4.0 CREDITS

PREREQUISITES: SCI 206, SCI 204, MAT 111
**Requires instructor's permission"
This course is a continuation of the introduction to biomanufacturing principles and laboratory techniques presented in SCI 206. Protein purification via various methods, including low and medium pressure and high performance liquid chromatography (HPLC), gel filtration, ion exchange, reverse phase and liquid chromatography, will be presented. Determination of purity and activity will also be analyzed. Two hours of lecture and six hours of laboratory are required each week.

SCI 208 TECHNIQUES IN MOLECULAR BIOLOGY 4.0 CREDITS

PREREQUISITES: SCI 206, SCI 204, MAT 111
**Requires instructor's permission"
Students will work on a semester-long cloning project that will introduce them to the basics in DNA manipulation, including isolation, purification, quantification, amplification (PCR), sequencing and analysis. Introduction to Internet-based systems of DNA analysis will be included. Two hours of lecture and six hours of laboratory are required each week.

SCI 233 ENVIRONMENT AND SUSTAINABLE MGMT 3.0 CREDITS

PREREQUISITES: SCI 133
This course builds on SCI133 to provide a long range view of the environmental issues affecting earth. Topics include: geology and industrial minerals, energy and renewability, global environmental hazards, climate change and ozone depletion, environmental issues in international politics.

SCI 251 ORGANIC CHEMISTRY I W/LAB ORG CHEM I 4.0 CREDITS

PREREQUISITE: C or better in SCI-124
This course studies the chemistry of carbon compounds including nomenclature, molecular structure, and functional groups. Topics include the reactivity and properties of saturated and unsaturated hydrocarbons, stereochemical relationships and nucleophilic substitution and elimination reactions. Mechanisms are presented as a unifying principle for these reactions.
Laboratory work will develop basic skills and techniques, and be correlated with class discussion. Lab sessions will be hands on experiences revolving around and applying the topics listed in the lab section of the syllabus.

SCI 252 ORGANIC CHEMISTRY II W/LAB ORG CHEM II 4.0 CREDITS

Prerequisite: C or better in SCI 251 (Organic Chemistry I)
SCI252 is a continuation of Organic Chemistry I (SCI251). More emphasis in this course is placed on the manipulation of functional groups and synthetic approaches. Compounds discussed in the second semester include carbonyl compounds, acid derivatives, amines and carbohydrates. The laboratory will place an emphasis on synthesis, isolation and purification of synthetic compounds and instrumental techniques in organic chemistry. A three-hour lab session is required each week.

SCI 281 RESEARCH SCIENCE I 4.0 CREDITS

PREREQUISITE: Permission of Department Chair
This course is designed to provide science majors with individualized laboratory experience in a research facility under the supervision of an appropriate researcher. Practical work experience appropriate to laboratory techniques and skills in research will be stressed. Students must devote at least 12 hours per week to laboratory work. A minimum of 4 hours of lab work per day is required. Limited enrollment.

SCI 282 RESEARCH SCIENCE II 4.0 CREDITS

PREREQUISITE: SCI 123 PRINCIPLES OF CHEMISTRY 1 AND SCI 124 PRINSCIPLES OF CHEMISTRY II or the equivalent from another institution with faculty approval.
This four-credit course is designed for students to gain hands-on experience in a resume builder opportunity to develop and learn research techniques in science. Students will develop specific skills that will help them build their resume and references prior to placement in competitive internships or jobs after graduation or transfer to a 4-year instituition. Students will meet with their Research Coordinator or a Faculty Advisor (Faculty at RCC) for guidance in their project during the course of the semester to monitor their progress. Students are required to complete 150 hours minimum.

SCI 298 INTERNSHIP IN BIOTECHNOLOGY 3.0 CREDITS

PREREQUISITES: SCI 204, SCI 206, MAT 111 and Permission of the Internship/Program Coordinator.
This three-credit course is offered during the fall and spring semesters. It is designed for students to gain hands-on experience a resume builder and an opportunity to network. Students will develop a resume, cover letter and references prior to placement. Students will meet with the Internship Coordinator and an Assigned Internship Faculty Advisor from their program of study during the course of the semester to monitor the interns' progress. Students are required to complete 150 hours (minimum of 10 hours per week), assigned readings, a mid-term project and a final project that will include an oral/poster presentation. Students currently employed in their program of study may be eligible to combine an internship with employment.

SCI 299 SCIENCE INTERNSHIP 3.0 CREDITS

PREREQUISITE: Requires enrollment in a degree or certificate program, completion of ENG101, three courses in the major, a minimum GPA of 2.0 and permission of the Internship/Program Coordinator.
This three-credit course is designed for students to gain hands-on experience a resume builder and an opportunity to network. Students will develop a resume, cover letter and references prior to placement. Students will meet with the Internship Coordiator and an assigned Internship Faculty Advisor from their program of study during the course of the semester to monitor the interns' progress. Students are required to complete 150 hours (minimum of 15 hours per week), assigned readings, a mid-term project and a final project that will include an oral/poster presentation. Students currently employed in their program of study may be eligible to combine an internship with employment.

SCI ELE SCIENCE ELECTIVE 4.0 CREDITS

SCI PLC SCI PLACEMENT: 099 0.0 CREDITS

SSI

SSI 101 WORLD HISTORY I 3.0 CREDITS

PREREQUISITE or COREQUISITE: ENG101
This survey course begins with the origins of humanity in Africa and ends with the year 1500, as seen from the perspective of non-Western traditions. Several "cradles of civilization" in Africa, Asia, the Americas, and Europe are compared. Students will examine various aspects of the struggle of nations and classes, including those of the Egyptians, Babylonians, Chinese, Indians, Greeks, Romans, Aztecs, Incas, and Moslems.

SSI 102 WORLD HISTORY II 3.0 CREDITS

PREREQUISITE or COREQUISITE: ENG 101
In this course, students will examine questions raised by the development and underdevelopment of several different types of socioeconomic systems, including early communes, slave societies, feudal societies, and capitalist societies. The course will emphasize relationships between Europe, Africa, the

Americas, and Asia, with a focus on how the economic interests of the developed Western industrial nations and European capitalism have influenced world events.

SSI 103 U.S. HISTORY I 3.0 CREDITS

PREREQUISITE or COREQUISITE: ENG 101
History I addresses U.S. History from the time of the European invasion to the U.S. Civil War. The course examines problems and interrelationships of African slaves, European invaders and immigrants, and native American inhabitants.

SSI 105 U.S. HISTORY II 3.0 CREDITS

Prerequisite or Corequisite: ENG101
This course presents an overview of American History since the Civil War. Focusing on the myth or reality of the "American Dream," students will examine the history and sociopolitical implications of the industrial revolution, urbanization, immigration, racism, and the development of the United States as a major imperial power, as well as current inequalities and issues within the United States.

SSI 110 HISTORY OF BOSTON-WORKING PEOPLE HISTORY OF BOSTON WORKING PEOPLE 3.0 CREDITS

PREREQUISITE: ENG 091 Dev Reading and Writing
This course offers an overview of the United States labor history, with an emphasis on the issue of working people in Boston Neighborhoods. Topics include an examination of prejudice and racism among Boston working people, the problems of immigrant populations, and the changing role of women in the workforce.

SSI 111 BLACK STUDIES I 3.0 CREDITS

PREREQUISITE: ENG101
This course examines both the immense diversity and the common origins of African descendants in South, North, and Central America and the Caribbean. Emphasis will be placed on recounting American history (North, Central, and South) and conceptualizing the essential features of the American hemisphere in order to establish the intellectual and academic environment within which students can learn their own history.

SSI 112 BLACK STUDIES II 3.0 CREDITS

PREREQUISITE: ENG101 or Concurrent
As a continuation of Black Studies I, this course focuses on the history and achievements of African Americans from the time of Reconstruction to the present. Students will gain an appreciation for the vast contributions and accomplishments of African Americans, and by examining the theory of underdevelopment, students will come to understand how the social and economic exploitation of one group by another has influenced the body of knowledge about African Americans in American history and culture.

SSI 113 CARIBBEAN HISTORY 3.0 CREDITS

PREREQUISITE or COREQUISITE: ENG 101
This course provides an introduction to the political, economic, and sociological history of the Caribbean region from prehistoric times to present. Topics discussed in depth include revolutionary and urban guerrilla movements, the forces of neocolonialism and racism, and the American role as an agent of economic disintegration in the Caribbean.

SSI 117 COMPARATIVE SLAVERY 3.0 CREDITS

PREREQUISITE: ENG 101
The focus of this course is an examination of the comparative literature and historiography of slavery with an emphasis on slave regimes found in North, South and Central America.

SSI 118 PRINC OF POLITICAL SCI 3.0 CREDITS

PREREQUISITE: No Pre-requisite
This course surveys the theory and practice of politics and its organizational structure in society. Topics include the nature of political power and influence; the role of ideology; constitutions and other law as the basis for legitimate political authority; legislative, judicial, and executive functions of government; foreign policies and international politics; political parties and other interest groups; elections and other forms of political participation.

SSI 119 INTRO/US GOVT & POL 3.0 CREDITS

PREREQUISITE or COREQUISITE: ENG 101
This course examines the interaction of the United States government, businesses, and other interest groups that shape the American political system. Discussion will focus on three major questions: who governs the United States, how is it governed, and what are the possibilities for change? A traditional approach to understanding United States government will be augmented by the pluralist view and radical critique.

SSI 122 GENERAL PSYCHOLOGY 3.0 CREDITS

PREREQUISITE OR COREQUISITE: ENG 101
In this course students will be introduced to major and selected minor schools of psychology. Topics include the history of psychology, learning, motivation, emotion, perception, and personality development.

SSI 123 INTRODUCTION TO SOCIOLOGY 3.0 CREDITS

PREREQUISITE: ENG 101
This course introduces students to the basic theories, concepts, and research methods of society and social systems. Topics include culture, socialization, social stratification, urbanization, modernization, and social change.

SSI 124 INTRO CULT ANTHRO 3.0 CREDITS

PREREQUISITE: ENG 101 AND at least one other Social Science course.
A comparative study of different cultures and their learned behaviors. Kinship and family, language and cultural meaning, gender, sexuality, sexual behavior, war and violence, religion, work, education, and socialization will be studied in this course. Students will compare and contrast these different elements in order to gain insight into and appreciation of their own cultural background and the cultural backgrounds of others. Students are introduced to ethnographic research methods.

SSI 160 ACTIVISM AND SOCIAL MOVEMENTS 3.0 CREDITS

This course examines the emergence, evolution, and impact of social movements in the United States from the early twentieth century through the early twenty-first century. Using a decade-by-decade framework, students analyze how collective action has responded to shifting political, economic, and cultural conditions, with particular attention to the 1960s as a pivotal era of sustained protest and social transformation.
The course explores movements for civil rights, racial justice, gender and sexual equality, labor rights, Indigenous sovereignty, antiwar activism, and educational access. Students examine changes in strategies, leadership, ideology, and state response, tracing the shift from mass mobilization and grassroots organizing to institutional reform, coalition politics, and digital activism.
Through discussion, analytical writing, and reflection, students connect historical movements to contemporary struggles for justice, considering how past activism continues to shape civic engagement and social change today.

SSI 178 MODERN AFRICAN HISTORY 3.0 CREDITS

This course focuses on the historical and social conditions that gave rise to African underdevelopment. Issues addressed include economic imperialism and colonialism in Africa and the extent to which these forces influenced the course of African underdevelopment.

SSI 181 THE HISTORY OF ROXBURY 3.0 CREDITS

PREREQUISITE: ENG101
This course is an introduction to the history of Roxbury, Massachusetts. The class will explore Roxbury from the 17th century colonial history to its suburbanization in the 19th century, through its rich Irish, African, and Jewish heritage in the 19th and 20th centuries, to its present-day struggles
to achieve both social justice and economic and political equality. The class will visit important sites in Roxbury's history, including several trolley tours. Successful completion of the course for credit will include the submission of a research paper about a Roxbury historical site or event.

SSI 200 PSYCHOLOGY OF GENDER 3.0 CREDITS

PREREQUISITE: ENG 101. General Psychology is suggested, but not required.
This course examines psychological theories specifically related to gender with an emphasizing biological, environmental and sociocultural perspectives. Special attention is given to the issues and concerns of women, femmes, and nonbinary individuals throughout various stages of life. (Formerly titled "Psych and Women")

SSI 201 ADV TOPICS/GEN PSYCH 3.0 CREDITS

PREREQUISITE: SSI 122
Students enrolled in this course will examine the interaction of the social and physiological foundation of behavior. Topics covered in this course illustrate the dynamics of these two inter-related components.

SSI 202 MH CHALLENGES & RESILIENCE 3.0 CREDITS

PREREQUISITE: ENG 101 and SSI 122
Abnormal Psychology is a study of a wide range of psychological disorders. Topics include significant research and theories relating to psychological disorders, with an emphasis on the development of symptoms and on a variety of psychotherapeutic treatment modalities. Formerly Abnormal Psychology.

SSI 203 PSYCH OF RACISM/US 3.0 CREDITS

PREREQUISITE: ENG 101
This course examines the mental and behavioral characteristics of racism. The course seeks to uncover the roots racism and discuss how racism perpetuates social, economic and political domination. Students will explore ideas to counteract and eliminate racism in our society.

SSI 204 PSYCH. AND SOCIAL ISSUES OF AGING 3.0 CREDITS

PREREQUISITE: ENG 101. Recommended: SSI 209, Human Growth and Development
Society as a whole is rapidly aging at an unprecedented rate. Using a multi-disciplinary approach, the aging process is examined from a variety of perspectives, including contemporary, biological, psychological, and social theories. This course will explore trends pertaining to health, social, economic, political, and other age-related issues. Course content also includes dispelling myths and stereotypes, and the stages of grief and loss. (Formerly named Adult Development & Aging)

SSI 205 HUMAN RELATIONS 3.0 CREDITS

PREREQUISITE: ENG 101
Human Relations provides students with an understanding of the key concepts of human behavior, interpersonal dynamics, communication styles and skills, and managing the change process. This course takes a skills approach to human relations training and emphasizes the application of knowledge through practice, along with teaching techniques such as group methods, role playing, field interviews, dyads, and videotaping.

SSI 206 SOCIAL PROBLEMS 3.0 CREDITS

Prerequisite: SSI 123
This course focuses on the structure and dimensions of social problems confronting populations both in the United States and across the globe. Emphasis is placed on the problems of global poverty, work and unemployment, gender and racial inequities, environmental degradation, crime and drug addictions, disease and health care delivery, civil conflicts, and terrorism. The course attempts to understand the social structural causes of these problems and explores potential solutions.

SSI 207 MONEY & BANKING 3.0 CREDITS

PREREQUISITE: MAT 101 Eligible and ENG 101.
This course provides an in-depth study of monetary theory and policies and their effect on the banking system of the United States. The course focuses on the Federal Reserve System and looks briefly at the International Monetary Fund (IMF) and the World Bank and their effect on the Third World, consumer credit, and minority banking.

SSI 208 INTRO/SOC SCI RESRCH 3.0 CREDITS

This course introduces the basic techniques and skills of the social sciences through an interdisciplinary, topical approach. Skills practiced include case study and qualitative and quantitative research. Topics include ethnography, statistics, construction and interpretation of questionnaires, interviewing, social observation, historical cause and effect, social analysis, formulating social science hypotheses, identifying variables, conducting controlled experiments, and interpreting experimental findings.

SSI 209 HUMAN GROWTH AND DEVELOPMENT 3.0 CREDITS

PREREQUISITE: ENG 101
Life span development is the term used to describe the biological, cognitive, social, and psychological changes that take place as humans grow from the prenatal stage through birth, infancy, childhood, adolescence, and adulthood and move toward death. Students enrolled in this course will explore both the historical views and contemporary approaches to life span development as they trace human growth from a single-celled organism to the complex interaction of elements that shape adult behavior.

SSI 212 URBAN SOCIOLOGY 3.0 CREDITS

Prerequisite: English Comp I Eligible
An in-depth examination of the complex sociological issues of urban areas is the unifying theme of this course. Students will investigate the sociocultural, political, and economic forces that give definition to many problems facing today's urban communities.

SSI 213 ADOLESCENT PSYCHOLOGY 3.0 CREDITS

(Pre-Req: General Psychology or Human Growth and Development)
This course provides an overview of major theories and empirical research on adolescent development. Emphasis is placed on the biological, cognitive, and socioemotional transitions that occur during adolescence, as well as the influence of culture, gender, genetics, and world events on learning and behavior. The course also examines the roles of peers, family, and life experiences in shaping personality, intelligence, and emotional functioning. Recommended for Secondary Education and Social Science majors.

SSI 214 INTRODUCTION TO SOCIAL WORK 3.0 CREDITS

This course explores the field of social work, covering its history, mission, and practice areas. It will emphasize how social workers engage with a diverse range of clients and help address social issues. Additionally, the course will examine the profession's ethical values and principles.
Pre-Req: ENG 101 and one SSI course/elective (preferably General Psychology or Human Growth and Development)

SSI 221 ECONOMICS I (MICRO) 3.0 CREDITS

PREREQUISITE: ENG 101
This course introduces students to micro-economic theory, with an emphasis on the U.S. economic system. Topics include a comparison of the neoclassical theories of marginal utility and marginal productivity with the Marxist theories of labor value and surplus value. Students will examine the growth of monopolies and government response to monopolies, the distribution of wealth and income, poverty, and the economic origins and implications of racism. (Fulfills Social Science requirement.)

SSI 222 ECONOMICS II (MACRO) 3.0 CREDITS

PREREQUISITE: ENG 101
This course introduces students to macro-economic theory, with an emphasis on the concepts of unemployment, inflation, and growth in capitalist and non-capitalist economic systems. Students will explore the "boom and bust" cycle from both Keynesian and Marxist points of view, and will briefly examine the issues of underdevelopment and international trade from the neoclassical and Marxist points of view. This course fulfills the social science requirement.

SSI 223 URBAN ECONOMICS 3.0 CREDITS

PREREQUISITE: English Comp I
Students enrolled in this course will examine problems of urban economics, such as poverty, discrimination, housing, education, health, transportation, and crime, using Boston (especially the Roxbury and Dorchester neighborhoods) as a case study. Additional topics include a brief overview of urban location theory and an examination of conservative, liberal, radical, and Black Nationalist economic theories in relation to the identification and solution of economic problems. The issues and problems of specific topics such as housing will be explored in class.

SSI 230 COMMUNITY ORGANIZING 3.0 CREDITS

Prerequisite: ENG 101 Eligible
Topics included in this course are theories of community organizing; assessment and use of various organizing styles and campaigns to fit specific cultural and situational needs; analysis of economic, social, and ethnic interests; targeting different constituencies; strategizing, developing and meeting time-lines; fund raising; coalition building; and leadership skills development. Students are required to apply community organizing skills in an actual community organization.

SSI 231 LABOR UNIONS & ORGAN 3.0 CREDITS

PREREQUISITE: ENG 091
This course provides an overview of labor and work issues and the role of unions in the workplace, with the focus on union relationships with Black and Hispanic constituents in Boston. Media materials, guest speakers, and the student's own experience provide the topics for classroom discussion.

SSI 280 URBAN STUDIES 3.0 CREDITS

PREREQUISITE: ENG101
Advanced Social Science Course reviewing current topics in Social Science.

SSI 290 HONORS COLLOQUIUM 3.0 CREDITS

To give students a relevant and “authentic task”—a real world problem or challenge [such as health care inequality within poor urban communities]—that they, as a team and as individuals, must explore and solve with cross-disciplinary thinking. Instruction will be filtered through this authentic task with students seeing what they are learning and why they are learning. Students will complete a project that they will present publicly at the end of the semester. It is noted that the project could be completed by the whole class, or groups of students working on individual projects.

SSI 298 SOCIAL SCIENCE INTERNSHIP 3.0 CREDITS

SSI ELE SOCIAL SCIENCE ELECTIVE 3.0 CREDITS

SSI ELE1 SOCIAL SCIENCE ELECTIVE 3.0 CREDITS

SSI ELE2 SOCIAL SCIENCE ELECTIVE II 3.0 CREDITS