School	School of Education
Major	Instructional Technology

Major Requirements			
Code	Title	Credits	Description
CSCI480	Visual Basic Programming	3	Visual Basic Programming
EDIT410	Telecommunications & Interactive Learning	3	Distance learning emphasizes the utilization of interactive video and technologies for two-way learning and use of computers and computer networks to access the Internet for information retrieval, exchange, and analysis.
EDIT400	Analog Instructional Video	3	Introduction to basic analog video production techniques such as pre-production planning and scripting, shooting the video and in-line editing for production of training programs.
EDIT360	Electronic Imagery	3	
EDIT350	Introduction to Interactive Applications	3	
EDIT300	Principles of Instructional Design	3	Logical and empirical foundations for the selection of instructional events. Includes design methodologies, principles, and instructional strategies.
ARTS350	Photography	3	Introducing students to the use of photography as a helpful tool for Graphic & Interior Design, the use of the camera, angles, lenses, (hardware). Students will learn terms and theory, film developing, printing, enlarging, composition, and pictorial techniques as forms of visual communication along with the demonstration of historic houses, Ruins, aged / young people, natural views and contemporary applications, from black & white to colored photos.
ARTS210	Color Theory - Painting	3	This course focuses on the optical phenomena of color and their application in visual communication. Studies, hue, value, and saturation, and their implications for color activity legibility, and spatial illusion in traditional workshop setting with its relation to Graphic and Interior design. Students will learn as well the theories and procedures of painting and its techniques. Co-requisite: Arts 200
ARTS200	Foundation Drawing I	3	The Basic studies and introduction to drawing tools and instruments and the Theories & Techniques in the various areas of drawing such as: human figure, historical houses and landscape. This course will concentrate as well on advertising drawings, including shading, and black and white. Prerequisites: ENGL 150

MATH225	Linear Algebra with Applications	3	Introduction to the systems of linear equations and matrices, Gaussian eliminations, matrix operations, inverses, types of matrices, determinants and their applications, vector spaces, subspaces, linear independence, basis and dimension, rank and nullity, inner product spaces and orthogonal bases, eigenvalues and eigenvectors, applications from other disciplines such as physics, computer science, and economics.

Core Requirements			
Code	**Title**	**Credits**	**Description**
CSCI300	Intermediate Programming with Objects	3	The course emphasizes the principles of Object Oriented Programming using the Java Programming Language. It starts by an introduction to creating applications using Java. Then the course introduces how to define classes and declare objects and discusses the main topics related to object oriented programming (constructors, methods, dependency, aggregation, inheritance, and polymorphism). Finally, the course introduces exception handling as well as writing to and reading from files.he course emphasizes the principles of Object Oriented Programming using the Java Programming Language. It starts by an introduction to creating applications using Java. Then the course introduces how to define classes and declare objects and discusses the main topics related to object oriented programming (constructors, methods, dependency, aggregation, inheritance, and polymorphism). Finally, the course introduces exception handling as well as writing to and reading from files.
CSCI250	Introduction to Programming	3	This course introduces the basic concepts and principles of structured programming in Java. It starts by an introduction to Java showing its syntax and the structure of a program in Java then teaches simple data types, control structures, methods, arrays, and strings.
CSCI310	Visual Programming	3	This course teaches visual programming using the Java programming language. Registered students are expected to know already C++ syntax and have an advanced knowledge in programming. The course emphasizes the visual side pf programming namely the graphical user interface – GUI components. (Swing components, AWT, Layouts…etc). The course discusses and teaches methods for handling exceptions, creating multimedia applications and working with images, animations and audio. The course wraps up with a detailed presentation on database connectivity (JDBC) and how to connect to a java application to databases with the basic SQL commands.
SSCI205	Introduction to Psychology	3	This course introduces the basics of psychology, the science of behavior and mental processes. It aims to discuss the developmental, social and biological factors that shape our behavior. Class discussions are pivotal, where innovative ideas and personal opinions are welcomed and encouraged.
SSCI200	Introduction to Sociology	3	The aim of this course is to drive the student to grasp the overflows of sociology. In other words, to grasp the meanings of capacitating or incapacitations of individuals, groups, institutions, politics, economics, religion and etc. on the basis of their societal functioning.

EDUC485	Student Teaching Practicum I (in Teaching Area)	3	This course is designed to provide pre-service student-teachers with the opportunity to acquire skills for effective planning, implementing, and evaluating instruction in a field-based setting. More specifically, students get opportunities of guided practice to link various methods of teaching to actual classroom practices. The student teacher will be matched with a skilled teacher to observe, and then to teach in that teacher's classroom under his/her supervision. This practice teaching experience will develop the student's self-confidence, security and commitment to teaching.
EDUC370	Teaching Oral Communication	3	This course presents theories and methods for the development of listening and speaking skills, including a variety of instructional strategies, activities, and material for teaching pronunciation, speaking, and listening. This course focuses on effective ways to facilitate oral communication practice in a variety of group and cooperative learning formats.
EDUC350	Methods of Teaching & Testing	3	This is an introductory course for future classroom teachers. The course will emphasize translation from theory into practice. Students will be exposed to various methods of teaching and testing. They will get the opportunity to design a lesson plan and construct tests.
EDUC310	Achievement Motivation	3	This course examines motivational factors that influence learning theory. Topics include motivational theories, attribution theory, teacher influences, classroom management, expectancy effects, learning structures; competitive vs. cooperative learning, family influences; the socialization of achievement, cultural influences; how cultural background impacts on school performance, individual differences; intrinsic vs. extrinsic motivations and gender differences in learning, individual learning styles and psychological factors
EDUC280	Cognitive Development	3	This course introduces major theories of learning, with emphasis on basic concepts in cognitive development. Relative influences of heredity and environment, and the impact of development on learning and school success are examined.
EDIT250	Educational Technology for Teachers	3	Educational Technology for Teachers:This course provides an overview of old and new technologies and media devices that can be used for instructional purposes. Students will learn how to use these technologies as facilitators for learning, and the need for reform in educational systems.
MATH230	Statistics for Social Sciences	3	Data organization and frequency distributions; measures of central tendency and dispersion; probability and random variables, binomial, normal and distributions, correlation, regression, point and interval estimation, and hypothesis testing.

General Education Requirements			
Code	Title	Credits	Description
ENGL251	Communication Skills	3	The objectives of this course are to improve students' writing skills for academic purposes by developing effective use of grammatical structures; analytical and critical reading skills; a sensitivity to rhetorical situation, style, and level of diction in academic reading and writing; and competence in using various methods of organization used in formal writing.
ENGL201	Composition and Research Skills	3	This course focuses on the development of writing skills appropriate to specific academic and professional purposes; the analysis and practice of various methods of organization and rhetorical patterns used in formal expository and persuasive writing; the refinement of critical reading strategies and library research techniques; and the completion of an academically acceptable library research paper. Prerequisites: ENGL150, ENGL151.
CULT200	Introduction to Arab - Islamic Civilization	3	The purpose of this course is to acquaint students with the history and achievements of the Islamic civilization. Themes will include patterns of the political and spiritual leadership; cultural, artistic, and intellectual accomplishments Prerequisites: ENGL051, ENGL101, ENGL151.
CSCI200	Introduction to Computers	3	The course aims at making students competent in computer-related skills. It is supposed to develop basic computer knowledge by providing an overview of the computer hardware and basic components as well as hands-on practice on common software applications such as Word, Excel, Power Point, Internet and Email. The student will learn how to use the new features of Microsoft Office 2010 mainly Word documents, Excel spreadsheets and PowerPoint presentations. On the surface, MS Office 2010 looks a lot different than previous versions (no more menus or toolbars!), but by learning to understand the dramatically changed, Ribbon-based interface, you'll quickly get back on the road to productivity.
ARAB200	Arabic Language and Literature	3	This course is a comprehensive review of Arabic Grammar, Syntax, major literature and poetry styles, formal and business letters.