General Description

The Multimedia and Web Design Technology (MWD) Associate Program prepares students for entry-level positions in a variety of digital, desktop production environments. Starting with the core skills of digital photography, and computer graphics, students receive hands-on, project oriented instruction in web design, interactive multimedia, and desktop publishing. A wide variety of 2D and 3D animation software is also integrated into the program. Students also learn how to most effectively use digital audio and video clips for interactive multimedia presentations including DVD, and streaming web delivery.

After completing the first two core quarters of the combined track, students will choose to finish their last four quarters with a specialized track in either Multimedia or Web Design. Multimedia students will further their core curriculum with advanced interactive design, web audio & video, 3-D animation, and desktop publishing. The Web design track will advance into programming theory, database design, Javascript, and other e-commerce “server-side” technology.

Students will create projects on their own or in teams with each student assuming a role in the production process. Student projects will be deployed via CD-ROM, DVD, or web server. A digital portfolio of each student’s projects will be created during the entire program. Off-campus cooperative work experience may also be gained during the sixth quarter.

Students will graduate with an Associate Degree in Multimedia and Web Design with a specialization in either Multimedia or Web Design.

Upon completion of the Associate Degree in Multimedia and Web Design, students in the Multimedia track will have the opportunity to matriculate to the Bachelor’s degree in Digital Recording Arts (DRA). Students in the Web Design track will have the opportunity to matriculate to the Bachelor’s degree in Software Engineering Technology (IT).

(Rev 10/27/05 TRT)
# Multimedia Track Curriculum

## Quarter I

<table>
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<tr>
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**CHOOSE ONE to declare major track**

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Multimedia and Web Design Technology  
Associate in Science Degree  
(For students entering their technology January 2005 or later - 200520)

### Quarter IV

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Legend

- **C** = Number of lecture hours per week  
- **L** = Number of laboratory hours per week  
- **T** = Total Quarter Hours where each lecture hour per week is one credit and each pair of laboratory hours per week is one credit

**Due to the fact that these are 5 week courses, their 2 lab hrs. are only counted once in the quarterly total.**

This technology requires EN 101 and EN 102 and 4 Humanities/Social Science electives for the Associate degree track. If a student places out of EN101 the number of Humanities/Social Science electives goes up by one.

All associate degree students are required to take 32 credits of liberal arts and math/science courses as selected from the liberal arts core. See the course descriptions section of this catalog for a list of the core area courses. Students who place out of EN 101, EN 102 or MA110 must still take 32 credits of core courses.

*All core courses are listed in italics.*
## Multimedia and Web Design Technology

### Associate in Science Degree

(For students entering their technology January 2005 or later - 200520)

### Web Design Curriculum

#### Quarter I

<table>
<thead>
<tr>
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**CHOOSE ONE**

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<tr>
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**CHOOSE ONE to declare major track**

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14/15  8/9  18/19
Multimedia and Web Design Technology  
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Total Credits 93

Legend

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*All core courses are listed in italics.
Multimedia and Web Design Technology
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LIBERAL ARTS CORE ELECTIVES

All programs must meet certain minimum requirements in both the technical major and in the liberal arts. Technical course requirements are listed in each curriculum along with liberal arts selections. Courses listed as "Core Electives" in a curriculum can be chosen by the student from one of the several core areas listed below. Each core area provides a variety of courses for student choice. Individual departments have specific requirements and may require more than the minimum number of credits or may specify certain courses in a particular core area. Students must take a certain number of credits from each core area for a total of 32 credits in the associate degree and additional 28 credits for the (2 + 2) bachelor degree. Please refer to the curriculum above for specific requirements of your program. Associate degree core courses cannot be used to satisfy bachelor degree core requirements.

**Associate Degree Course Core Areas**

**Math/Science Core Electives (Minimum 8 Credits)**
- BIO 122 Microbiology – 4 credits
- CHM 110-111 Chemistry I/lab – 4 credits
- MA 110 Introduction to College Math – 4 credits
- MA 120 Technical Math – 4 credits
- MA 121 Business Math – 4 credits
- MA 210 Technical Math II – 4 credits
- PHY 100 Conceptual Physics – 4 credits
- PHY 120-121 Physics I/lab – 4 credits
- PHY 124-125 Applied Physics/lab – 4 credits
- PHY 230-231 Physics II/lab – 4 credits
- SCI 100-101 Anatomy & Physiology I/lab – 6 credits
- SCI 102 Introduction to Allied Health – 2 credits
- SCI 110 Environmental Science – 4 credits
- SCI 120-121 Anatomy & Physiology II/lab – 6 credits

**Social Science Core Electives (Minimum 4 Credits)**
- CE 101 Community Enrichment – 1 credit
- EC 203 Principles of Economics – 4 credits
- HI 211 US History – 4 credits
- HI 212 US History II – 4 credits
- HI 231 Contemporary History – 4 credits
- HI 235 History of Architecture – 4 credits
- PS 201 Introduction to Psychology – 4 credits
- SS 221 Technology and American Life – 4 credits
- SO 203 Social Problems – 4 credits
- SO 210 Power and Status in America – 4 credits
- SO 231 Crime and Deviance – 4 credits
- PS 210 Human Relations in the Workplace – 4 credits

**Humanities/Foreign Language Core Electives (Minimum 4 Credits)**
- HU 202 Introduction to the Arts – 4 credits
- HU 211 Introduction to Film – 4 credits
- HU 212 Documentary Film – 4 credits
- HU 213 Introduction to Drawing – 4 credits
- HU 214 Introduction to Theater – 4 credits
- HU 215 Pop Culture – 4 credits
- HU 242 The Automobile and American Culture – 4 credits
- EN 201 Introduction to Literature – 4 credits
- EN 242 The American Dream (literature course) – 4 credits
- EN 241 Science Fiction (literature course) – 4 credits
- SP 201 Introduction to Spanish – 4 credits

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Communications Core Electives (Minimum 8 Credits)
EN 101 English I (required of all students) – 4 credits
EN 102 English II (required of all students) – 4 credits
EN 110 Basics of Business Communications – 4 credits
EN 211 Oral Communications – 4 credits
EN 251 Creative Writing – 4 credits

Business Operations / “Other” Core Electives (Minimum 8 Credits)
BU 236 Small Business and the Law – 4 credits
MA 121 Business Math – 4 credits
Or two courses from other core areas

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Course Descriptions

MWD 100 Digital Imaging
2 Class Hours 4 Lab Hours 4 Quarter Credit Hours
Prerequisites: None
This course introduces the MWD student to the technology and technique(s) of digital image creation using digital software, scanners, and still cameras. Starting with "what is digital" theory and principles, this course will train students in basic digital still camera photography, composition, and storage technique. It will then continue with each student shooting and editing their own photo essay, to be used as a first portfolio piece.

MWD 110 Intro to Web Design
2 Class Hours 4 Lab Hours 4 Quarter Credit Hours
Prerequisites: MWD100, MWD112, MWD122
An introductory exploration of the history of the Internet and the World Wide Web, its current technology and its future potential. Search strategies, and web page design and construction will be emphasized with Macromedia Dreamweaver and Adobe “Image Ready”, html “editor” and graphics programs will be used.

MWD 112 Digital Graphics
2 Class Hours 2 Lab Hours 3 Quarter Credit Hours
Prerequisites: None
Students who take this class will develop a working knowledge of how 2D images are manipulated on the desktop, using Adobe Photoshop. Topics consist of: image creation, retouching, color correction, and compositing images together to form a final design.

MWD 120 Digital Editing
2 Class Hours 4 Lab Hours 4 Quarter Credit Hours
Prerequisites: MWD 100, MWD 112, MWD222
Students explore the concepts of working with digital video and audio. Using Final Cut Pro, they will learn how to digitize and manipulate video footage in the digital form, mix in digital audio tracks, and then output the footage to fit various media’s such as the Internet.

MWD 122 Design I
3 Class Hours 0 Lab Hours 3 Quarter Credit Hours
Prerequisites: none
Teaches the foundation guidelines that enable the creative design of graphics to fulfill specified communications requirements.

MWD 124 2-D Animation
2 Class Hours 4 Lab Hours 4 Quarter Credit Hours
Prerequisites: MWD 100, MWD 112, MWD 222
This course explores how to manipulate and composite moving images. Using Adobe After Effects. The focus is on generating animations using images created in Photoshop. Students will also learn methods to compress and render animations to fit different media.

MWD 129 Project Planning & Estimating
3 Class Hours 0 Lab Hours 3 Quarter Credit Hours
Prerequisites: None
Students will plan and price multimedia projects. Focus will be on the design and implementation of concepts through production planning and budgeting for a multimedia project.
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MWD 131 Web Animation
2 Class Hours 4 Lab Hours 4 Quarter Credit Hours
Prerequisites: MWD 100, MWD 110, MWD 112, MWD 222
Introduction to Macromedia Flash. Students learn the principals of two-dimensional animation, vector graphics, and Flash video compression applicable to Web delivery.

MWD 140 Computer Illustration:
2 Class Hours 2 Lab Hours 3 Quarter Credit Hours
Prerequisites: None
Using Adobe Illustrator, students explore the use of Vector based graphic systems. Topics include object-oriented graphics, resolution handling, and using graphics in web and print work.

MWD 213 Interactive Multimedia (Replaces MWD 212)
2 Class Hours 3 Lab Hours 4 Quarter Credit Hours
Prerequisites: MWD 112, MWD 131, MWD 222, SE 122
Using Macromedia Director, students will learn how to incorporate video, animation, and audio into an interactive multimedia presentation. By the end of this course students will be able to produce multimedia for CD-ROMS and Internet delivery.

MWD 222 Design II
3 Class Hours 2 Lab Hours 4 Quarter Credit Hours
Prerequisites: MWD 122
Students will integrate the elements and principles of interactive design and use them to solve specific design problems.

MWD 231 Desktop Publishing
2 Class Hours 4 Lab Hours 4 Quarter Credit Hours
Prerequisites: MWD 100, MWD 112, MWD 222
Students will learn the principles, process and techniques of desktop (print) design and publishing.

MWD 234 Advanced Web Page Design
2 Class Hours 4 Lab Hours 4 Quarter Credit Hours
Prerequisite: MWD 110, SE 240 and SE 244
Students will learn the use of server-side scripting to create dynamic, database driven sites.

MWD 235 E-Commerce Web Design
2 Class Hours 4 Lab Hours 4 Quarter Credit Hours
Prerequisites: MWD 129, SE 260, SE 110, MWD 234
Students will learn techniques for the design and development of effective e-commerce web sites using advanced server-side scripting.

MWD 236 DHTML and DOM
2 Class Hours 2 Lab Hours 3 Quarter Credit Hours
Prerequisites: MWD 110, SE 240
Students will learn advanced client interactivity using the current standards for DHTML and the Document Object Model.

MWD 240 Special Topics: Web Design
2 Class Hours 2 Lab Hours 3 Quarter Credit Hours
Prerequisites: MWD 129, SE 260, SE 110, MWD 234
A capstone course that focuses upon the newest and most pressing issues that effect the Internet. Subject matter in this course may vary from quarter to quarter.
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MWD 251 Special Topics: Multimedia
2 Class Hour, 2 Lab Hours 3 Quarter Credit Hours
Prerequisites: MWD100, MWD110, MWD112, MWD131, MWD231, MWD140
A capstone course that focuses upon current trends and programs that effect multimedia. Subject matter in this course may vary from quarter to quarter.

MWD252 3D Animation
2 Class Hours 5 Lab Hours 4 Quarter Credit Hours
Prerequisites: MWD124, MWD140
Students learn how 3d images and animation is created. The first half of the class focuses on preliminary steps of 3d creation: modeling, texturing and scene set up. Geometric objects will be modeled, textured, lit and rendered to look realistic or stylized. During the second half of the quarter students will take objects they have previously built and create animations out of them. Topics to be covered will include rendering methods, and compositing and combining 3D animations with other animated or video footage.

MWD 272 Associate Portfolio:
2 Class Hours 2 Lab Hours 3 Quarter Credit Hours
Prerequisites: MWD231, MWD212, MWD140, MWD131
A career-planning course that goes over the essentials of resume creation, portfolio production, interview and job-hunting skills for the media field.

MWD 280 Cooperative Work Experience:
0 Class Hours 15 Lab Hours 3 Quarter Credit Hours
Prerequisites: MWD231, MWD222, MWD212, MWD140, MWD131, MWD129
The student shall gain practical work experience through employment in a local company or organization. Students must submit a written application to a designated faculty member, with approval based on the student's academic achievement, attendance, and demonstrated skill sets as they match the employer's defined job skill requirements.

MGT 230/CBM 230 Principles of Marketing
3 Class Hours 3 Quarter Credit Hours
Prerequisites: none
This course is an examination of the role of marketing within business and society. Students focus on the concepts, functions, and institutions involved in the process of developing, pricing, promotion, and distributing products and services to consumer, industrial, institutional, and international markets. Students will learn to navigate the Internet and to understand the function of the Internet as one of the newest marketing tools.

IT 120 Word Processing
.5 Class Hour 1 Lab Hour 1 Quarter Credit Hour  (This is a five-week course.)
Students are introduced to the concepts of word processing software. Topics include creating, saving, editing, and printing text files. Output will typically consist of letters, memos and reports. An introduction to basic hardware computer components, the use of graphics and the Internet will be included.

IT 102 Spreadsheets
.5 Class Hour 1 Lab Hour 1 Quarter Credit Hour  (This is a five-week course.)
Students are introduced to the concepts of spreadsheet manipulation. They will experience creating, editing, analyzing and graphing numerical data. The student will learn to create simple spreadsheets that include absolute and relative formulas, format cells and cell ranges, control pages, work with multiple sheets, and create pie charts and graphs.

COM 136 Audio Recording
2 Class hours, 2 Lab hours, 3 Quarter credit hours
Prerequisites: none
Audio recording capabilities are a critical skill in the video/radio business and audio/music industry. Students will learn audio recording techniques, microphone specifications, selection and placement as
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well as the basics of audio engineering. Students learn the basics of Pro-Tools, a digital audio program, using this program to produce their own Commercial.

SE 110 Programming Essentials
3 Class Hours 3 Lab Hours 4 Quarter Credit Hours
A study of a modern programming language will be used as the vehicle to introduce flowcharting, control structures, calculations, interactive programming techniques, and editing. Students will learn to write high-quality problems in business. Laboratory projects will grow in complexity as the student gains hands-on experience. Both personal and business applications will be provided.

SE 110 Programming Essentials
3 Class Hours 3 Lab Hours 4 Quarter Credit Hours
A study of a modern programming language will be used as the vehicle to introduce flowcharting, control structures, calculations, interactive programming techniques, and editing. Students will learn to write high-quality problems in business. Laboratory projects will grow in complexity as the student gains hands-on experience. Both personal and business applications will be provided.

SE 122 XHTML
2 Class Hours 2 Lab Hours 3 Quarter Credit Hours
This course will familiarize students with the construction of web pages using the eXtensible HyperText Markup Language (XHTML). Students will construct web documents using XHTML without the aid of a design tool. Topics may include images, tables, forms, XML, and style sheets.

SE 240 JavaScript
2 Class Hours 3 Lab Hours 3 Quarter Credit Hours
Prerequisite: SE 122
This course offers the student an introduction to Javascript. JavaScript is the programming language used to extend the capabilities of the web browser to include animation, interactive forms, object control, and basic decision-making. Emphasis will be placed on client-side form validation.

SE 244 Database Design
1 Class Hour 2 Lab Hours 2 Quarter Credit Hours
Students will continue to build their experience with end-user software. This course will expose students to end-user tools for database work such as Microsoft Access or Lotus Approach.

SE 260 Server-Side Web Development
4 Class Hours 2 Lab Hours 5 Quarter Credit Hours
Prerequisites: SE 122 and SE 240
Using a current server-side tool such as Active Server Pages, the student will learn how to create websites that interact with a web server and database.
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Liberal Arts, Math and Science Courses
Associate Degree

(Rev 06/20/05 REP)

Biology

BIO 122 Microbiology
3 Class Hours 2 Lab Hours 4 Quarter Credit Hours
The morphology, physiology and pathology of microbial organisms is covered along with dynamics of microbial populations. Emphasis is placed on disease causation and implications for health care providers.

Business

BU 236 Small Business and the Law
4 Class Hours 4 Quarter Credit Hours
This course is designed for those students who may eventually start and operate their own small business. This course will focus on the various elements associated with the start up, acquisition and operation of a small business from the entrepreneurial point of view. Topics to be covered will include business formation, contract negotiations and drafting, financing, employee discrimination issues, customer relations issues, licensing, permits and tax basics. Additionally, students will be asked to complete a legal research assignment and prepare and present a business plan in their particular technological field of study. Students will leave this course with the fundamental knowledge necessary to start and run a successful small business and to avoid the legal pitfalls, which often lead to small business dissolution.

Chemistry

CHM 110 Chemistry
3 Class Hours 3 Quarter Credit Hours
Prerequisites: MA 210, PHY 230 and PHY 231
Topics covered include atomic structure, the periodic law, nature of the chemical bond, chemical reactivity, stoichiometry, and acid base reactions.

CHM 111 Chemistry Lab
2 Lab Hours 1 Quarter Credit Hours
Prerequisites: MA 210, PHY 230 and PHY 231
This laboratory course, taken concurrently with chemistry, consists of demonstrations and laboratory exercises related to CHM 110.

Community Enrichment

CE 101 Community Enrichment
1 Class Hour 1 Quarter Credit Hour
In this course, which is part of the Feinstein Enriching America Program, each student will explore ways of enhancing the community through performing a project which provides a service to the community. The project, which may be performed over several quarters, will be documented in a journal in which the student will reflect on the significance of the experience.
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Economics

EC 203 Principles of Economics
4 Class Hours 4 Quarter Credit Hours
Prerequisite: EN 102
Introduces the fundamental principles of microeconomics and macroeconomics, such as scarcity, supply and demand, growth, fiscal and monetary policies, and the public and the private sectors.

English

EN 101 English I
4 Class Hours 4 Quarter Credit Hours
Placement: Based on an evaluation of a writing sample or successful completion of EN 030.
An introductory communications course focusing on developing reading, critical writing, and critical thinking skills as well as those of listening and speaking. Students write response paragraphs and short essays and do oral presentations to develop their ability to interpret, analyze, and evaluate the ideas presented in the course readings, lectures and discussions. The organizational patterns which express ideas (narration, process analysis, classification, etc.) are taught as thinking strategies: ways to gain, explain, and order information in both writing and speaking.

EN 102 English II
4 Class Hours 4 Quarter Credit Hours
Prerequisite: EN 101 or placement based on evaluation of a writing sample.
An intermediate communications course which continues to develop oral and written skills and the critical thinking which is essential to communication. Writing from personal experience is de-emphasized and dealing with sources is emphasized. Students learn to synthesize, analyze and interpret material from a variety of sources. Sources used are from diverse disciplines across the curriculum. The focus is on the analysis and evaluation of argument, and on learning to produce a logical and credible argument using relevant evidence and ethical appeals to the needs and values of audiences. Projects will include both papers and oral participation.

EN 110 Basics of Business Communications
4 Class Hours; 4 Quarter Credit Hours
This course is designed to teach AS level students the fundamentals of routine business communications that will prepare them to communicate effectively in a professional environment. Students will develop an appreciation for the written and verbal communication skills that are necessary to perform effectively in the workplace. They will learn the basic formats of writing business letters, memos, and emails, and they will learn that good writing is a process that includes proper style, tone, format, and mechanics. Participants in this course will learn and practice the skills of planning, drafting, revising, and proofreading their written documents. Also, students will acquire an appreciation of good verbal communication skills by preparing a business related presentation and participating in mock business meetings.

EN 201 Introduction to Literature
4 Class Hours; 4 Quarter Credit Hours
Prerequisite: EN 102
A survey of short fiction, poetry and drama. The course introduces students to significant themes and techniques in literature and aims to help students become more discerning and sensitive readers.

EN 211 Oral Communications
4 Class Hours 4 Quarter Credit Hours
Prerequisite: EN 101 or placement
The objectives of the course are to improve the student's understanding and appreciation of the uses of speech, and to teach the skills needed to listen and to speak effectively and with confidence in a variety of speaking situations.
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EN 241 Science Fiction
4 Class Hours 4 Quarter Credit Hours
Prerequisite: EN 102
Isaac Asimov called SF "the literature of change." The course will analyze films, short stories, and a classic SF novel to understand the ways this popular genre entertains us and gives us insight into the impact science and technology has had on us.

EN 242 The American Dream
4 Class Hours 4 Quarter Credit Hours
Prerequisite: EN 102
This course explores the theme of work and identity by raising questions about who we are in relationship to our work and to the society in which we live: Who am I? What do I want? What is my place in the world and my status within it? Am I useful? Am I fulfilled? Can I change my circumstances? The readings for the course consist of contemporary short stories and short personal narratives in which different people talk about their jobs. Through the lens of fiction and non-fiction, students will begin to understand how literature relates to the everyday workplace and to our pursuit of the "American Dream." Students will respond articulately to the literature through sharing their own experiences with work in class discussion and in writing.

EN 251 Creative Writing
4 class hours, 4 credit hours
Prerequisite: EN 102
This advanced writing course will focus on the techniques of writing fiction, poetry, and creative non-fiction. Students will learn how to create narratives, handle dialogue and physical descriptions, and write in a variety of fiction genres and poetic forms. A workshop environment featuring peer review will be emphasized. Individual writers will be responsible for collaborating on a special edition of Sudden Thoughts, New England Tech's own magazine of the arts.

History

HI 211 United States History I: 1600-1877
4 Class Hours 4 Quarter Credit Hours
Prerequisite: EN 102
This course explores American history before 1877, focusing on the conflict concerning proper status and rights of laboring people. Matters of race, religion, family, property, political and legal philosophy and simple partisanship contributed to this conflict. The most profound and explosive issue was African-American slavery and its threat to free workers.

HI 212 United States History II: 1877 to the Present
4 Class Hours 4 Quarter Credit Hours
Prerequisite: EN 102
This course examines the lives of the workers who built, sustained and transformed American society from 1877 to the present. It considers how they influenced and were in turn affected by other processes such as community life, family structure, gender roles, race relations, ethnicity, religion, war, technology and politics in the developing liberal, capitalist and sometimes imperialistic society.

HI 231 Contemporary History
4 Class Hours 4 Quarter Credit Hours
Prerequisite: EN 102
This course encourages students to explore economic, political, social and cultural developments though out the world since World War II, particularly in developing nations including spiritual, scientific and intellectual developments.
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**HI 235 Architectural History**
4 Class Hours 4 Quarter Credit Hours
Prerequisite: EN 102
This course provides an introduction to a significant area of art history. Students learn architecture as an art form and the relationship between architecture and its historical setting.

**Humanities**

**HU 202 Introduction to the Arts**
4 class hours; 4 credit hours
Prerequisite: EN 102
The arts give us a chance to state how we think and feel about something, and make it possible to discuss these thoughts and feelings among a wide audience. Through the arts we can talk about love, war, death, family, happiness, sadness, the meaning of life, and so on. In this class we will look at universal themes as presented in the various arts. We'll see how these themes are presented through contemporary theater, dance, contemporary and classical music, and the visual arts.

**HU 211 Introduction to Film**
4 Class Hours 4 Quarter Credit Hours
Prerequisite: EN 102
A thematic approach to the study of film as a medium of humanistic expression. The course surveys significant examples of motion pictures from a variety of periods and countries in an attempt to understand the techniques of filmmaking as well as the power of film to convey ideas and meaning.

**HU 213 Introduction to Drawing**
4 Class Hours 4 Quarter Credit Hours
Prerequisite: EN 102
This course introduces the student to key concepts and techniques fundamental to developing basic drawing skills. Class time will be used to demonstrate, practice, and utilize these skills in developing a body of work, which will be presented in portfolio form at the end of the semester. Emphasis will be placed on cultivating skills of observation and interpretation of visual information. The demonstration of these skills will be manifested through a series of studio projects focusing on specific drawing techniques. Supporting lectures will provide the student with an art historical context for the work they are creating.

**HU 214 Introduction to Theater**
4 Class Hours 4 Quarter Credit Hours
Prerequisite: EN 102
Acting, like carpentry, is a craft with a definite set of skills and tools (for example, voice, body, and interpretation). This course will provide students with both a theoretical and practical understanding of acting and the theatrical process. Theater exercises will guide the students toward self-discovery in order to explore character development and the interpretation of the content/themes of various plays. Students will write character analysis essays as a method for understanding the specific elements of acting necessary to accurately portray a given character. Readings and discussions will help students place dramatic literature in a historical context. Students will also explore the ways in which a play is translated into a production with an emphasis on differentiating the functions of the playwright, the actor, the director, set designer and other members of a production team.

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HU 215 Popular Culture
4 Class Hours 4 Credit Hours
Prerequisite: EN 102
This course will analyze cultural expressions of intellectual and social trends since 1950. Students will investigate literature, comics, movies, television, music, advertising, painting, computer games, and the Internet to probe the forces that shape our world. In this course we will identify and evaluate the popular entertainment we consume and ask how our choices define us and shape our values. Understanding our values and culture enables us to understand why we buy what we buy, why we do what we do, and why we think the way we do.

HU 242 The Automobile and American Culture
4 class hours; 4 credit hours
Prerequisite: EN 102
The Automobile and American Culture examines the development of the automobile and the positive and negative impact this new technology had on America’s political, economic, social, and cultural landscape. Through assigned readings, case studies, music selections, and film clips, students will explore the people, places, and concepts that have made the automobile such an integral part of America’s identity.

Mathematics

MA 110 Introduction to College Math
4 Class Hours 4 Quarter Credit Hours
Prerequisite: MA 030 or pass placement exam
Topics to be covered in this introductory algebra course include operations with signed numbers, rules for exponents, polynomial operations, solutions to linear equations in one variable, and several applications important to various technical areas.

MA 120 Technical Math
4 Class Hours 4 Quarter Credit Hours
Prerequisite: MA 110
Topics to be studied include the analytic geometry of a straight line, systems of linear equations, trigonometry, vectors and their applications, and quadratic equations.

MA 121 Business Math
4 Class Hours 4 Quarter Credit Hours
Prerequisite: MA 110
This is an elementary applied course studying such business topics as interest rates, discounts, payrolls, markups, depreciation, insurance, mortgages, and basic statistics.

MA 210 Technical Math II
4 Class Hours 4 Quarter Credit Hours
Prerequisite: MA 120
The following four major topics and their applications will be studied: Cramer’s Rule, exponential and logarithmic functions, trigonometry, and complex numbers.

Physics

PHY 100 Conceptual Physics
4 Credit Hours 4 Quarter Credit Hours
Prerequisite: MA 110 (For Surgical Technology Students Only)
This introductory conceptual course in physics is meant to give the successful student an understanding of the underlying principles of physics that explain events in our everyday lives. While not an applied mathematics course it does utilize basic algebraic problem solving to a limited extent. The topics include mechanics, heat, vibrations and waves, electricity, magnetism, and light.
PHY 120 Physics I
3 Credit Hours 3 Quarter Credit Hours
Prerequisite: MA 120
This non-calculus approach to the study of fundamental physics includes kinematics and dynamics of bodies, velocity, acceleration, Newton’s laws of motion, forces in equilibrium, concurrent and non-concurrent forces, work, power, energy, rotational motion, machines, mechanical advantage, and fluid mechanics.

PHY 121 Physics I Lab
2 Lab Hours 1 Quarter Credit Hour
Prerequisite: MA 120
This laboratory course, taken concurrently with Physics 120, consists of demonstrations and laboratory exercises related to Physics 120.

PHY 124 Applied Physics
3 Class Hours 3 Quarter Credit Hours
Prerequisite: MA 110
This course stresses theoretical concepts important for the study of automotive/marine mechanics. Specific topics include: forces in one dimension; work and energy; simple machines; fluids; temperature and heat; gas laws; and direct current electricity.

PHY 125 Applied Physics Lab
2 Lab Hours 1 Quarter Credit Hour
Prerequisite: MA 110
This laboratory course, taken concurrently with Physics 124, consists of demonstrations and laboratory exercises related to Physics 124.

PHY 230 Physics II
3 Class Hours 3 Quarter Credit Hours
Prerequisites: PHY 120, PHY 121 and MA 210
This course is a continuation of Physics I and studies the following concepts: properties of matter/materials (thermal expansion, stress, strain, and heat capacities), wave behavior (string, sound, and light), electric forces, electrical potential energy and magnetic forces.

PHY 231 Physics II Lab
2 Lab Hours 1 Quarter Credit Hour
Prerequisites: PHY 120, PHY 121, and MA 210
This laboratory course, taken concurrently with Physics II, consists of demonstrations and laboratory exercises related to Physics II.

Psychology

**PS 201 Introduction to Psychology (this course is major restricted to CMA and ST students only)
4 Class Hours 4 Quarter Credit Hours
Prerequisite: EN 102
This course introduces students to the basic concepts of psychology. Topics include such areas as personality, intimate relationships, development over the life cycle, and cognition.

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PS 210 Human Relations in the Workplace
4 Class Hours 4 Quarter Credit Hours
(no prerequisites)
Students will develop the interpersonal skills known to be key ingredients for successful everyday interactions with coworkers, supervisors and customers at any work environment. Some major skill areas covered in the course include making a good impression with your employer, managing conflict with difficult coworkers, working on a team with diverse groups of people, providing exceptional customer service, and managing on-the-job stressors. This course provides a set of practical human relations techniques that will help students increase the likelihood of job security and career advancement in any current or future job.

Science

SCI 100 Anatomy and Physiology I
4 Class Hours 4 Quarter Credit Hours
A comprehensive study of the structure and function of the human body as a whole, emphasizing the normal which will serve as a background for the application of scientific principles both in everyday life and in the work of various health disciplines. Systems covered include integumentary, skeletal, muscular, nervous, and endocrine with respect to both histological and gross anatomy.

SCI 101 Anatomy and Physiology I Lab
4 Lab Hours 2 Quarter Credit Hours
Laboratory practice includes the study of tissues by using microscopic examinations and the dissection of animal specimens, along with histological experimentation. Units covered are concerned with general introductory material, the skeletal, muscular, endocrine, and nervous systems.

SCI 110 Environmental Science
4 Class Hours 4 Quarter Credit Hours
While this course does cover scientific concepts it will not be in the traditional lecture and test format. The course will mainly focus on man's interaction with his environment. It will cover current issues like global warming, human population growth, and pollution. Anyone interested in how we are impacting the global environment, and how development and population growth will affect the future would consider taking this course. Students selecting this course will be required to do some reading, watch in-class video segments and participate in classroom discussions. There will also be a required short paper due as part of a research assignment.

SCI 120 Anatomy and Physiology II
4 Class Hours 4 Quarter Credit Hours
A continuation of Anatomy and Physiology I concentrating on circulatory, respiratory, digestive, urinary, and reproductive systems.

SCI 121 Anatomy and Physiology II Lab
4 Lab Hours 2 Quarter Credit Hours
Emphasis is placed on association, correlation, critical thinking and overview of the body as a whole functioning unit, with units covering circulatory, respiratory, digestive, urinary, and reproductive systems.

Social Sciences

SS 221 Technology and American Life
4 Class Hours 4 Quarter Credit Hours
Prerequisite: EN 102
Examines how American institutions, cultures, values and technologies interact in historical time and space and how technologies often bring unexpected and unwanted consequences along with benefits.
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Sociology

SO 203 Social Problems
4 Class Hours 4 Credit Hours
Examines contemporary social issues from multiple perspectives. Attempts to see the ethics, the arguments and the policy outcomes involved in problems such as drug abuse, crime, poverty and the global environment.

SO 210 Power and Status in America
4 Class Hours 4 Credit Hours
Prerequisite: EN 102
Power and Status in America is a sociology course that looks at how various dimensions of social power intersect to create different experiences for different people. We will study how racism, sexism and economic discrimination work together to impact people’s experiences, identity and opportunities. By taking this class, the student will gain a deeper understanding of how such powerful social forces work in society, and the student will gain in his or her understanding of how diversity is constructed and maintained in America.

Spanish

SP 201 Introduction To Spanish
4 Class Hours 4 Quarter Credit Hours
Note: Students do not need EN101/EN102 as a prerequisite for this Spanish course.
This course will introduce students to the Spanish language with an emphasis on the use of Spanish in the workplace. Students will learn to communicate with customers and other employees in Spanish with a focus on basic vocabulary words used in everyday interactions at the workplace. While each class will emphasize conversational skills, the course will also cover some key principles of Spanish grammar and provide some exposure to a variety of cultural traditions in Spanish-speaking countries. The course is designed for students with no prior knowledge of Spanish. Students who speak Spanish fluently will not be eligible to take the class.
Questions & Answers

1. When do my classes meet?
Day Classes: technical classes normally meet for three hours a day five days a week. Classes normally begin in the early morning (7:45), late morning (usually 11:25), or mid afternoon. A technical time slot may vary from quarter to quarter.

Evening Classes: technical classes meet on the average of three nights a week, although there may be times when they will meet four nights a week. Classes normally begin at 5:45.

IN ADDITION, to achieve your associate degree, you will take a total of approximately eight liberal arts courses, which will be scheduled around your technical schedule over the course of your entire program. Each liberal arts course meets approximately four hours per week. Liberal arts courses are offered days, evenings, and Saturdays.

At the beginning of each quarter you will receive a detailed schedule giving the exact time of all your classes.

2. How large will my classes be?
The average size for a class is about 20 to 25 students; however, larger and smaller classes occur from time to time.

3. How much time will I spend in lab?
Almost half of your technical courses consist of laboratory work. In order for you to get the most out of your laboratory experiences, you will first receive a thorough explanation of the theory behind your lab work.

4. Where do my classes meet?
Students should be prepared to attend classes at any of NEIT’s classroom facilities: either on Access Road or at the Post Road campus.

5. I have not earned my high school diploma or GED: can I enroll in an Associate Degree Program?
If you do not have a high school diploma or a GED and you are beyond the age of compulsory school attendance (16 years of age), you may enroll in an Associate Degree Program at the College if you pass a standardized test which has been approved by the federal government for determining a student's ability to benefit from a program (ATB Test). The ATB Test is administered at New England Tech's Academic Skills Center (ASC) and will be scheduled by your Admissions Officer.

6. How long should it take me to complete my program?
To complete your degree requirements in the shortest possible time, you should take the courses outlined in the prescribed curriculum. For a typical six-quarter curriculum, a student may complete the requirements in as little as 18 months.

To complete all your degree requirements in the shortest time, you should take at least one liberal arts course each quarter. Students who need more time to complete their curriculum may postpone some of the liberal arts courses until after the completion of the technical requirements. Students are provided up to two additional quarters of study to complete the liberal arts requirements without any additional tuition assessment fee. During these additional quarters of study, students are required to pay all applicable fees.

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Students may also elect to complete some of their liberal arts requirements during Intersession, a special five-week term scheduled between Spring and Summer Quarters. Students will not be assessed any additional tuition for liberal arts courses taken during the Intersession but may be assessed applicable fees.

Students wishing to extend the number of quarters needed to complete the required technical courses in their curriculum will be assessed additional tuition and fees.

7. Is NEIT accredited?
NEIT is accredited by the New England Association of Schools & Colleges’ (NEASC’s) Commission on Technical and Career Institutions. Accreditation by NEASC is recognized by the federal government and entitles NEIT to participate in federal financial aid programs. Some academic departments have specialized professional accreditations in addition to accreditation by NEASC. For more information on accreditation, see NEIT’s catalog.

8. Can I transfer the credits that I earn at NEIT to another college?
The transferability of a course is always up to the institution to which the student is transferring. Students interested in the transferability of their credits should contact the Office of Teaching and Learning for further information.

9. Can I transfer credits earned at another college to NEIT?
Transfer credit for appropriate courses taken at an accredited institution will be considered for courses in which the student has earned a "C" or above. An official transcript from the other institution must be received before the end of the first week of the quarter for transfer credit to be granted for courses to be taken during that quarter. Students will receive a tuition reduction for the approved technical courses based on the program rate and will be applied against the final technical quarter of the curriculum's tuition amount. No tuition credit is provided for courses which are not a part of the technical curriculum.

10. What is the "Feinstein Enriching America" Program?
New England Institute of Technology is the proud recipient of a grant from the Feinstein Foundation. To satisfy the terms of the grant, the College has developed a one-credit community enrichment course which includes hands-on community enrichment projects. The course can be taken for a few hours per quarter, spread over several quarters. Students who are already engaged in community enrichment on their own may be able to count that service towards course credit.

11. How many credits do I need to acquire my Financial Aid?
In order to be eligible for the maximum financial aid award, you need to maintain at least 12 credits per academic quarter.

12. What does my program cost?
The cost of your program will be as outlined in your enrollment agreement, along with your cost for books and other course materials. Students who decide to take more quarters than the enrollment agreement describes to complete the technical courses in their curriculum will be subject to additional fees and possible additional tuition costs. Students who elect to take the technical portion of the degree requirements at a rate faster than the rate prescribed in the curriculum and the enrollment agreement will be assessed additional tuition.

Students who require prerequisite courses will incur additional tuition and fees above those outlined in their enrollment agreement.

If a student elects to take a course(s) outside of the prescribed curriculum, additional tuition and fees will be assessed.

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Remember, students who withdraw and re-enter, one time only, pay the tuition rate that was in effect for them at the time of their last day of attendance for up to one year from their last day of attendance. Second re-entrees and beyond pay the tuition rate in effect at the time they re-enter. The most economical way for you to complete your college degree is to begin your program now and continue your studies straight through for the six quarters necessary to complete your degree requirements.

13. What kind of employment assistance does NEIT offer?
The Office of Career Services assists NEIT students and graduates in all aspects of the job search, including resume writing, interviewing skills, and the development of a job search strategy. Upon completion of their program, students may submit a resume to be circulated to employers for technical employment opportunities. Employers regularly contact us about our graduates. In addition, our Office of Career Services contacts employers to develop job leads. A strong relationship with employers exists as a result of our training students to meet the needs of industry for over fifty years. No school can, and NEIT does not, guarantee to its graduates employment or a specific starting salary.

14. What kind of jobs will I be qualified to look for?
Generally, jobs will exist in graphics production areas of television broadcast stations, cable operations, independent video and multimedia production houses as well as in corporate areas of training and marketing. The US Department of Labor Occupational Handbook predicts that job opportunities in the television industry will grow at a faster than average rate with the greatest potential in the newer technologies such as cable television. Competition for jobs will be keen and requirements will increasingly emphasize an applicant's training and education. The job best suited to you will depend upon your individual strengths and interests. Students will be prepared for a wide variety of jobs in the field.

15. Where will job opportunities exist?
Jobs will certainly exist in Rhode Island; HOWEVER, one of the most exciting aspects of this technology is the ability to look nationally (even internationally!) for employment opportunities. If working in broadcast television is your goal, you will find some of your best opportunities in smaller stations or in corporate settings, which typically offer more entry-level jobs. However, since this is a relatively new field, job opportunities may be found in many different industries seeking multimedia support for traditional business activities.
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Technical Standards

These technical standards set forth by the Internet Communications/Multimedia Technology Programs Departments, establish the essential qualities considered necessary for students admitted to these programs to achieve the knowledge, skills and competencies to enter these fields. The successful student must possess the following skills and abilities or be able to demonstrate that they can complete the requirements of the program with or without reasonable accommodation, using some other combination of skills and abilities.

Cognitive Ability:
- Ability to interpret ideas and concepts visually and/or graphically
- Good reasoning and critical thinking skills.
- Ability to learn, remember and recall detailed information and to use it for problem solving.
- Ability to deal with materials and problems such as organizing or reorganizing information.
- Ability to apply theory to specific technical situations.
- Ability to break information into its component parts.
- Ability to understand 2-D and 3-D spatial relationships.
- Ability to perform tasks by observing demonstrations.
- Possession of basic computer skills, file management, and ability to perform computer operation tasks.

Communications Skills:
- Ability to communicate effectively with faculty and students, both verbally and with storyboards

Adaptive Ability:
- Ability to maintain emotional stability and the maturity necessary to interact with other members of the faculty and students in a responsible manner.
- Ability to accept constructive criticism from faculty and peers.

Physical Ability:
- Able to stand and/or sit and continuously perform essential course functions in the graphics lab, using a high degree of eye/hand psychomotor skills.
- Ability to sit for long periods of time.
- Ability to perform learned skills, independently, with accuracy and completeness.

Manual Ability:
- Sufficient motor function and sensory abilities to participate effectively in the classroom laboratory.
- Sufficient manual dexterity and motor coordination to coordinate hands, eyes and fingers in the operation of a computer keyboard, and other equipment.

Sensory Ability:

Visual
- Acute enough to enable the adjustment of an electronic image into sharp focus.
- Ability to properly distinguish colors.
- Acute enough to read small print.
- Acute enough to read small numbers on precision measuring instruments.

Auditory
- Acute enough to distinguish low level (weak) audio signals.
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Student Acknowledgment of Receipt of Documents

Multimedia and Web Design Technology

I acknowledge that I have received copies of the following documents for the above technology:
   1) Program Description
   2) Curriculum
   3) Course Descriptions
   4) Q&A
   5) Technical Standards

I understand that it is my responsibility to read these documents. I have been advised that should I have any questions related to the content of any of these documents, I may contact my admissions officer who will review the material with me.

I further understand that NEIT reserves the right, in response to industry demands, to change the contents of these documents without prior notice. Copies of the most recent versions of these documents may be obtained in the Admissions Office.

Printed Name of Student: ________________________________________________

Signature: _______________________________ Date: _________________________