

2011-2012 Brookdale Community College Catalog Addendum

Catalog changes effective 2011-2012:

- **New Programs**
- **Program Changes**
- **Certificate Deletion**
- **New Courses**
- **Course Revisions**
- **Course Deletions**

New Programs

- [Human Services A.S.-Pre-Social Work Option](#)
- [Teacher Assistant A.A.S.](#)

Program Changes

- [Automotive Technology A.A.S. Program-Automotive Technology Option](#)
- [Engineering A.S. Program](#)
- **Humanities A.A.**
 - [Journalism Option](#)
 - [Women's & Gender Studies Option](#)
- [Music Technology A.A.S.](#)

Certificate Deletion:

- **Automotive Engine Remanufacturing Specialist Academic Credit Certificate of Achievement.**

New Courses:

MUTC 115 Introduction to Music Technology (Cr3)(3:0) This course provides a clear overview of the essential elements of music technology for today's musician. It is designed to provide music students with the background necessary to apply technology in their creating, teaching, and performing. It focuses on five topics that underlie the hardware and software in use today: Sound, Audio, MIDI, Synthesis and Sampling, and Computer Notation and Computer-Assisted Instruction. In addition, necessary computer hardware and software concepts will be addressed. (Prerequisite or corequisite: MUSI-101 and MUPF 101).

MUTC 215 Composing Music for Media (Cr3) (3:0) This is a highly advanced course designed with the composer/musician in mind. The student will employ his/her skills that were acquired through the series of ProTools®, Finale®, and communication media courses. In this course, the student will learn the history of film scoring, the symbolic relationship between film (or other media) and music, and ultimately compose original scores for short film cues, commercial and gaming storyboards. (Prerequisites: MUTC 111, MUTC 201 and COMM115; Prerequisite or corequisite: COMM 216)

PSYC 225 Human Sexuality (Cr3)(3:0) Sexual behavior is strongly influenced by and, in part, controlled by biological, social, and psychological factors. Students will study sex anatomy, the physiology of sex and reproduction and the development of the person as a sexual being. In addition, students will examine areas of gender identity, legal aspects of sexual behavior, cross-cultural patterns of sexuality, sexual relationships and social/psychological theories of sexual development. Auditing of this course is not permitted.

Course Revisions:

FITN-117 Health, Exercise and Weight Management (Cr3)(3:0) The student will be able to identify and apply the principles of health such as preventing heart disease, alcoholism and drug abuse as they apply to various ages and settings. Other topics covered in this course deal with concepts on nutrition and weight management, current health and disease problems.

INTD 251 CAD for Interior Design (Cr3)(1:4)

Prerequisite: (A grade of "C" or higher in INTD 152 or **permission of instructor**)

[Course replaces JOUR 102 Journalism II]

JOUR 201 Newswriting (Cr3) (3:0)

Students deepen their knowledge of reference materials, develop their ability and learn the standard sources of news. Students work independently outside of class on various journalism exercises that will teach them to write clearly and concisely. (Prerequisite: JOUR 101).

Course Deletions:

AUTO 227 Automotive Engines II (Cr4) (3:3)

AUTO 298 Automotive Capstone Seminar (Cr1)(1:0)

IDST 235 Human Sexuality: Physical and Developmental Aspects (Cr3)(3:0)

IDST 236 Human Sexuality: Social and Psychological Aspects (Cr3)(3:0)

Human Services Program A.S Degree

Pre-Social Work Option

The Human Services A.S.-Pre-Social Work Option prepares students to transfer to a Bachelor of Social Work (BSW) program. The required coursework is designed to help students develop an understanding of human and social systems, as well as the ethics and values that guide human services practitioners in general and social workers in particular. Students learn through a combination of classroom work and fieldwork, spending 275 hours in human services agencies such as hospitals, mental health centers, social service agencies, substance-abuse counseling sites and other facilities.

Graduates of this program will be able to:

- ▶ Explain the history and philosophy of human services
- ▶ Utilize theoretical frameworks and empirical evidence to understand human development and the interactions among human systems – individuals, groups, families, organizations, communities, and societies
- ▶ Understand the conditions that promote or limit optimal human functioning
- ▶ Function effectively and appropriately within human services organizations to serve at-risk populations
- ▶ Analyze service problems, select appropriate interventions, and evaluate outcomes
- ▶ Utilize knowledge of organizational and social policies, human systems, the conditions that influence human functioning, evidence-based practices, and client-specific data to advocate on behalf of human service clients
- ▶ Apply the ethics, values, and attitudes that are necessary for successful human service practice
- ▶ Evaluate their own values, personalities, reaction patterns, interpersonal styles, and limitations

Degree Audit

Your progress toward your degree is available through WebAdvisor. Refer to page 23 for details.

Requirements

General Education– 30 credits as described on page 50.

Career Studies – 30 credits as follows:

Code	Course	Credits
PSYC 106	Introduction to Psychology II	3
PSYC 111	Introduction to Human Services	3
PSYC 208	Life Span Development	3
PSYC 212	Community Agencies and Human Service Systems	3
PSYC 215	Counseling Techniques	3
PSYC 235	Group Dynamics	3
PSYC 245	Introduction to Quantitative Methods	3
PSYC 285	Human Services Practicum	3
POLI 105	American National Government	3
SOCI 101	Principles of Sociology	3

BACHELOR'S DEGREE THROUGH BROOKDALE

This is a preferred Associate degree for students planning to pursue a Bachelor's degree in Social Work at Brookdale's New Jersey Coastal Communniversity. For program details and transfer information, students should talk to their Student Development Specialist.

Credits required for degree: 60

Suggested Sequence – Human Services Program A.S. Degree Pre-Social Work Option

The following sequence is an example of how this degree can be completed in two years. This sequence is based on satisfaction of all Basic Skills requirements and prerequisites and presumes a Fall Term start date. An individual's program may vary depending on transfer institution, career objectives, or individual needs. See your counselor for other options and to monitor your progress.

Course Code	Credits	Course Code	Credits
SEMESTER 1 – Fall Term		SEMESTER 2 – Spring Term	
PSYC 106	3	PSYC 208	3
PSYC 111	3	PSYC 212	3
ENGL 121	3	PSYC 215	3
SOCI 101	3	ENGL 122	3
Humanities	<u>3</u>	POLI 105	<u>3</u>
	15		15
SEMESTER 3 – Fall Term		SEMESTER 4 – Spring Term	
PSYC 235	3	PSYC 245	3
Mathematics ⁽²⁾	3-4	PSYC 285	3
Social Sciences	3	Science (with Lab) ⁽²⁾	4
General Education ⁽¹⁾	3	General Education	3
Mathematics or Science or Technological or Info Literacy ⁽²⁾	<u>3-4</u>	Humanities or Social Sciences	<u>3</u>
	15-17		16

⁽¹⁾ One course is recommended from the Cultural & Global Awareness knowledge area.

⁽²⁾ A minimum of 9 credits are required from the Mathematics, Sciences or Technological or Information Literacy categories.

Teacher Assistant Program A.A.S. Degree

This program is designed for students who wish to enter the field of education in a support role of Teacher Assistant. Coursework completes classroom management training and program support concepts for employment opportunities in the New Jersey public or private school systems.

Graduates of this program will be able to:

- Present effective lesson plans for achievement of specific, measurable goals
- Develop necessary skills to assist in student learning and perform substitute teaching responsibilities
- Apply the established criteria for learning in a classroom environment that focuses on classroom procedures and student behavior
- Utilize instructional and learning strategies that meet the needs of diversified learners with a focus on cultural, learning and ability differences
- Examine the integration of the literacy skills as part of the curriculum and school success
- Demonstrate effective team, interpersonal, and professional skills

General Education – 20 credits as described on p. 50.

The following General Education courses are required:

Code	Course	Credits
ENGL 121	English Composition: Writing Process	3
SPCH 115	Public Speaking	3
PSYC 105	Introduction to Psychology I	3

It is recommended that students select one of the following Humanities courses:

ARTH 105	Art Appreciation	3
MUSI 115	Music Appreciation	3
THTR 105	Theater Appreciation	3

Career Studies – 18 credits as follows:

EDEC 105 ⁽¹⁾	Foundations of Early Childhood Education	3
	or	
EDUC 105	Introduction to Education	3
EDEC 199 ⁽²⁾	Education Field Experience	0
	or	
EDUC 199 ⁽²⁾	Education Field Experience	0
EDUC 216	Classroom Techniques	3
EDUC 217	Introduction to the Exceptional Child	3
EDUC 225	Literacy Development and Instruction	3
EDEC 295 ⁽¹⁾	Special Project-Early Childhood Education	3
	or	
EDEC 299	Special Project – Education	3
EDEC 299	Early Childhood Education Internship	3

	or	
EDUC 299	Education Internship	3

⁽¹⁾Students interested in early childhood should select EDEC courses.

⁽²⁾Field experience is recommended. Students who have completed EDEC 105 or EDUC 105 with a grade of “B” or better are required to complete 60 hours of observation in an approved academic setting to ensure transferability of EDEC 105 or EDUC 105 to a four-year institution.

Career Studies – 15 credits as follows:

PSYC 206	Human Growth and Development	3
PSYC 218	Educational Psychology	3
SOCI 101	Principles of Sociology	3
	or	
SOCI 105	Intercultural Communication	3
HGEO 105	Human Geography	3
PHIL 227	Introduction to Ethics	3

Electives 7

It is recommended that students select courses that support their career goal and are transferable (consult your counselor).

Recommended for Early Childhood Education students:

ENGL 265*	Children’s Literature	3
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*Offered Fall term only.

Credits required for degree **60**

Suggested Sequence – Teacher Assistant A.A.S. Degree

The following sequence is an example of how this degree can be completed in two years. This sequence is based on satisfaction of all Basic Skills requirements and prerequisites and presumes a Fall Term start date. An individual’s program may vary depending on transfer institution, career objectives, or individual needs. See your counselor for other options and to monitor your progress.

Course Code	Credits	Course Code	Credits
SEMESTER 1 – Fall Term		SEMESTER 2 – Spring Term	
EDEC 105 or EDEC 105	3	SPCH 115	3
ENGL 121	3	EDUC 216	3
Math/Science/Technological Competency or Information Literacy	3-4	PSYC 206	3
PSYC 105	3	ENGL 265 or Elective	3
SOCI 101 or SOCI 105	<u>3</u>	EDUC 225	3
	15-16	EDUC 199 or EDEC 199	<u>0</u>
			15
SEMESTER 3 – Fall Term		SEMESTER 4 – Spring Term	
EDUC 217	3	EDEC 295 or EDUC 295	3
PSYC 218	3	EDEC 299 or EDUC 299	3
Humanities	3	HGEO 105	3
General Education ⁽¹⁾	3	PHIL 227	3
Elective	<u>4</u>	General Education	<u>3</u>
	16		15

Automotive Technology Program A.A.S. Degree

Automotive Technology Option

This program is designed to meet the continual demand for trained automotive technicians. The student participates in hands-on experiences in testing, diagnosing, and repairing automobiles. Emphasis in class and laboratory is placed on real-world, hands-on experience. Upon graduation, the student is fully qualified to work in an auto service center/dealership as an auto technician, and may lead to positions such as service advisor, service manager, parts counter person, and service writer. As an A.A.S. degree, this option is not designed for transfer to a four-year school, but many courses may prove to be transferable.

Graduates of this program will be able to:

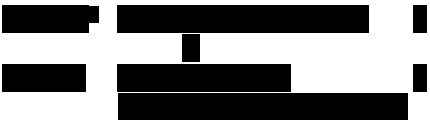
- ▶ Demonstrate proficiency in the diagnosis of an automobile malfunction
- ▶ Demonstrate competency in the repair and service of an automobile
- ▶ Demonstrate proficiency in the repair of advanced automotive electronic and computer systems
- ▶ Communicate effectively with members of the automotive team

Requirements

General Education – 20 credits as described on page 50.

Career Studies — **43** credits as follows:

Code	Course	Credits
AUTO 101	Automotive Fundamentals	4
AUTO 111	Automotive Drivelines and Transmissions	4
AUTO 123	Engine Performance I	4
AUTO 131	Automotive Steering, Suspension and Alignment	4
AUTO 132	Automotive Brake Systems	4
AUTO 141	Automotive Electricity/ Electronics I	4
AUTO 213	Automatic and Manual Transmission Overhaul	4
AUTO 222	Engine Performance II	4
AUTO 226	Automotive Engines I	4
AUTO 241	Automotive Electricity/ Electronics II	3
AUTO 243*	Automotive Heating and Air Conditioning	4



⁽¹⁾ AUTO 298 to be taken in last semester of program

* Offered Fall Term only

Degree Audit

Your progress toward your degree is available through WebAdvisor. Refer to page 23 for details.

At the time of printing of the catalog, changes to this program were under review. Contact your Counselor or the Dean of Business and Technology for program requirements for academic year 2011-2012.

Suggested electives (beyond degree requirements):

AUTO 299 Automotive Internship 3

Credits required for degree: **63**

Suggested Sequence – Automotive Technology Program A.A.S. Degree Automotive Technology Option

The following sequence is an example of how this degree can be completed in two years. This sequence is based on satisfaction of all Basic Skills requirements and prerequisites and presumes a Fall Term start date. An individual's program may vary depending on transfer institution, career objectives, or individual needs. See your counselor for other options and to monitor your progress.

Course Code	Credits	Course Code	Credits
SEMESTER 1 – Fall Term		SEMESTER 2 – Spring Term	
AUTO 101	4	AUTO 111	4
AUTO 131 or AUTO 132	4	AUTO 123	4
AUTO 141	4	AUTO 131 or AUTO 132	4
ENGL 121	3	Communications	3
	15	General Education ⁽¹⁾	3
			18
SEMESTER 3 – Fall Term		SEMESTER 4 – Spring Term	
AUTO 222	4	AUTO 213	4
AUTO 226	4	AUTO 241	3
AUTO 243	4	Humanities	3
Mathematics or Science or Technological/Info Literacy	3-4	Social Sciences	3
		General Education	2
	15-16		



⁽¹⁾ One course is recommended from the Cultural & Global Awareness knowledge area.

Engineering Program A.S. Degree

Engineering is a profession that integrates science and mathematics with design and laboratory study. It is and will continue to be the profession upon which the United States depends for its growth and ability to compete in world markets.

“Engineering offers more career options than any other discipline. It’s a profession that can take you from the depths of the ocean to the far reaches of outer space, from within the microscopic structures of the human cell to the top of the tallest skyscrapers. Whether it’s cell phones, digital cameras, DVDs, or facial recognition devices that can pick out a terrorist in a crowded football stadium, engineers are behind almost all of today’s exciting technology. Engineers are problem solvers who search for quicker, better, and less expensive ways to use the forces and materials of nature to meet today’s challenges.”¹

At Brookdale Community College, the Engineering program parallels the first two years of the four-year engineering curriculum of most engineering schools throughout the country. The program leads to an Associate in Science degree in Engineering and transfers to most engineering schools. Brookdale has a Joint Admission Agreement with N.J.I.T. and an Articulation Agreement with Rutgers University. Students should consult a counselor.

There are five major areas of study:

- Chemical Engineering
- Civil Engineering
- Electrical Engineering
- Industrial Engineering
- Mechanical Engineering

Graduates of this program will be able to:

- ▶ Perform engineering analysis and problem solving
- ▶ Develop an engineering design to meet given specifications
- ▶ Describe the social and cultural context of the engineering and technology fields
- ▶ Work well in diverse teams and organizations
- ▶ Communicate effectively in oral, graphic and written form

Degree Audit

Your progress toward your degree is available through WebAdvisor. Refer to page 23 for details.

Requirements

General Education - [REDACTED]
The following general education courses are recommended for the program:

Code	Course	Credits
ENGL 121	English Composition: The Writing Process	3
ENGL 122	English Composition: Writing and Research	3
ECON 107	Economics	3
MATH 171	Calculus I	4
CHEM 101	General Chemistry I	5
PHYS 122	General Physics II	4
PHYS 121	General Physics I	4
	Humanities	3
	Humanities or Social Sciences	3

Career Studies **34** credits as follows:

CADD 121 ⁽¹⁾	Engineering Graphics with CAD	3
CHEM 102	General Chemistry II	5
COMP 137	Programming for Engineers	3
ENGI 101*	Engineering Mechanics I	3
ENGI 102**	Engineering Mechanics II	3
ENGI 105 ⁽²⁾	Introduction to Engineering	1
MATH 172	Calculus II	4
MATH 273	Calculus III	4
MATH 274	Elementary Differential Equations	4
[REDACTED]	[REDACTED]	[REDACTED]
PHYS 223	General Physics III	4

Technical Electives – 6–14 credits (choose one set of courses)

CHEMICAL ENGINEERING

CHEM 203	Organic Chemistry I	5
CHEM 204	Organic Chemistry II	5

CIVIL ENGINEERING

ENGI 205**	Strength of Materials	3
ENGI 206***	Material Properties and Processes	3
ENGI 261***	Surveying I	4

ELECTRICAL ENGINEERING

ENGI 241*	Properties of EE I (Circuits)	4
ENGI 242**	Properties of EE II (Electronics)	4
ENGI 251*	Digital I	3
ENGI 252**	Properties of EE III (Circuits)	3

MECHANICAL ENGINEERING

ENGI 205**	Strength of Materials	3
ENGI 206***	Material Properties and Processes	3
ENGI 216***	Kinematics and Dynamics of Machinery	3

INDUSTRIAL ENGINEERING

ENGI 205**	Strength of Materials	3
ENGI 206***	Material Properties and Processes	3

⁽¹⁾ Engineering students are not required to take DRFT 106

⁽²⁾ Students are required to take ENGI 105 in the first term and declare a major area of study toward the end of this course. Students should work with a counselor to satisfy requirements for major career areas.

*Offered Fall term only

**Offered Spring term only

***Offered Summer II term

Credits required for degree: **72-80**

Suggested Sequence – Engineering Program A.S. Degree

The following sequence is an example of how this degree can be completed in two years. This sequence is based on satisfaction of all Basic Skills requirements and prerequisites** and presumes a Fall Term start date. An individual’s program may vary depending on transfer institution, career objectives, or individual needs. See your counselor for other options and to monitor your progress. This program is part of a joint admissions agreement program with N.J.I.T. Students completing this program may work toward a Baccalaureate degree or may continue in the Baccalaureate Degree Program at N.J.I.T.

The following prerequisites must be taken prior to admission:

Course Code	Credits	Course Code	Credits
SEMESTER 1 – Fall Term		SEMESTER 2 – Spring Term	
ENGI 105	1	CADD 121	3
CHEM 101	5	CHEM 102	5
ENGL 121	3	ENGL 122	3
MATH 171	4	MATH 172	4
Humanities	3	PHYS 122	4
PHYS 121	4		19
	20		
SUMMER II SEMESTER			
Technical Elective	0-4		
SEMESTER 3 – Fall Term		SEMESTER 4 – Spring Term	
COMP 137	3	ENGI 102	3
ENGI 101	3	ECON 107	3
MATH 273	4	MATH 274	4
[REDACTED]	[REDACTED]	PHYS 223	4
Technical Elective	3-5	Social Sciences or Humanities	3
Technical Elective	0-4	Technical Elective	3-5
	13-19	Technical Elective	0-4
			20-26

MATH 151, MATH 152 and/or MATH 153 may be required if MATH requirements are not met.

Journalism Option

Humanities Program A.A. Degree

This option provides the writing skills and general studies necessary for transfer to a four-year college to prepare for various positions in writing and publishing, such as reporter, editor, researcher, special-interest writer, book reviewer. Skills learned in journalism are helpful for careers in advertising, law, public relations and business.

Graduates of this program will be able to:

- ▶ Stay current on the ever-growing journalism industry and the convergence of various media types
- ▶ Explain how a story grows or changes depending upon the medium reporting the news
- ▶ Demonstrate an understanding of what constitutes good, fair and unbiased journalism and use critical thinking skills to determine when these standards are being violated
- ▶ Gather news and evaluate the credibility of news sources
- ▶ Perform basic interviewing techniques
- ▶ Follow a journalistic writing style, such as AP, to write impact-driven, concise and precise stories in a variety of formats, such as spot news, features, editorials, and reviews
- ▶ Analyze and synthesize notes and other sources to create unbiased news reports and well-argued critiques and editorials

For-additional information on transfer visit the Transfer Resources website at <http://transfer.brookdalecc.edu>

Requirements

General Education – 45 credits as described on page 50.

Career Studies – 6 credits as follows:

Code	Course	Credits
JOUR 101	Introduction to Journalism	3
JOUR 102	Journalism II	3

JOUR 201 Newswriting

Career Studies – 6 credits from among the following:

COMM 101	Communication	3
COMM 102	Communication Media	3
COMM 115	Audio in Media	3
COMM 226	Digital Reporting	3
ENGL 127	Business Writing	3
ENGL 225	Technical Writing	3
HUMN 215	Propaganda and Critical Thinking	3
JOUR 295	Special Project – Journalism	1-6
JOUR 299	Journalism Internship	1-6
RDIO 101	Introduction to Radio	3
TELV 121	Television Production	3

Elective 3

Degree Audit

Your progress toward your degree is available through WebAdvisor. Refer to page 23 for details.

Credits required for degree: 60

Suggested Sequence – Humanities Program A.A. Degree Journalism Option

The following sequence is an example of how this degree can be completed in two years. This sequence is based on completion of all Basic Skills requirements and prerequisites and presumes a Fall Term start date. An individual's program may vary depending on transfer institution, career objectives, or individual needs. See your counselor for other options and to monitor your progress.

Course Code	Credits	Course Code	Credits
SEMESTER 1 – Fall Term		SEMESTER 2 – Spring Term	
JOUR 101	3	JOUR 201	3
Mathematics/Science/Technological Competency or Information Literacy ⁽¹⁾	3-4	ENGL 122	3
ENGL 121	3	Mathematics or Science ⁽¹⁾	3-4
Humanities	3	History	3
Mathematics ⁽¹⁾	<u>3-4</u>	Social Sciences	<u>3</u>
	15-17		15-16
SEMESTER 3 – Fall Term		SEMESTER 4 – Spring Term	
Career Studies	3	Career Studies	3
Humanities	3	Humanities	3
Science (with lab) ⁽¹⁾	4	Social Sciences	3
SPCH 115	3	Cultural & Global Awareness ⁽²⁾	3
History	<u>3</u>	Electives	<u>3</u>
	16		15

⁽¹⁾ A minimum of 12 credits are required from the Mathematics, Sciences or Technological Competency or Information Literacy knowledge areas.

⁽²⁾ One course is required from the Cultural & Global Awareness knowledge area. Students may meet the requirement while simultaneously fulfilling the General Education requirement for another knowledge area.

Women's & Gender Studies Option

Humanities Program A.A. Degree

This option is designed for students interested in women's issues, concerns and experiences across disciplines and in a global context. Women's roles in – and contributions to – history, literature, culture, and science will also be examined. Students choosing this option may transfer to a four-year college where Women's Studies is offered as a major or minor or paired with another discipline such as Literature, History, Psychology or Sociology. Knowledge of Women's and Gender Studies is an asset for students choosing careers in teaching, counseling, research, social work, human services, and other areas.

Graduates of this program will be able to:

- ▶ Discuss and appreciate diverse historical, scientific, economic, literary, artistic, cultural, and social perspectives of women
- ▶ Describe and express awareness of the conditions of women through written and verbal communication in classroom and community settings
- ▶ Examine issues, perspectives, methodologies and research in the interdisciplinary, multicultural, academic field of Women's Studies
- ▶ Discuss the intersection of identities such as gender, race, class, sexuality, ability and age
- ▶ Describe how the word "feminism" has been used and misused from historical to contemporary times

For-additional information on transfer visit the Transfer Resources website at <http://transfer.brookdalecc.edu>

Requirements

General Education – 45 credits as described on page 50.

Career Studies – 3 credits

Code	Course	Credits
HUMN 129	Issues in Women's Studies	3

Career Studies – 9 credits from among the following:

ENGL 175***	Woman as Author	3
ENGL 229	Representing Gender	3
HIST 125	Women's History Survey: Experiences, Contributions and Debates	3
HUMN 230*	Women and Science	3
PSYC 225	Human Sexuality	3

Elective **3**

* Offered Fall Term only

*** Offered Summer Term only

Degree Audit

Your progress toward your degree is available through WebAdvisor. Refer to page 23 for details.

Credits required for degree: 60

Suggested Sequence – Humanities Program A.A. Degree Women's Studies Option

The following sequence is an example of how this degree can be completed in two years. This sequence is based on satisfaction of all Basic Skills requirements and prerequisites and presumes a Fall Term start date. An individual's program may vary depending on transfer institution, career objectives, or individual needs. See your counselor for other options and to monitor your progress.

Course Code	Credits	Course Code	Credits
SEMESTER 1 – Fall Term		SEMESTER 2 – Spring Term	
HUMN 129	3	Career Studies	3
Mathematics/Science/Technological Competency or Information Literacy ⁽¹⁾	3-4	ENGL 122	3
ENGL 121	3	Mathematics or Science ⁽¹⁾	3-4
Humanities	3	History	3
Mathematics ⁽¹⁾	3-4	Social Sciences	3
	15-17		15-16
SEMESTER 3 – Fall Term		SEMESTER 4 – Spring Term	
Career Studies	3	Career Studies	3
Humanities	3	Social Sciences	3
Science (with lab) ⁽¹⁾	4	Cultural & Global Awareness ⁽²⁾	3
SPCH 115	3	Humanities	3
History	3	Elective	3
	16		15

⁽¹⁾ A minimum of 12 credits are required from the Mathematics, Sciences or Technological Competency or Information Literacy knowledge areas.

⁽²⁾ One course is required from the Cultural & Global Awareness knowledge area. Students may meet the requirement while simultaneously fulfilling the General Education requirement for another knowledge area.

Music Technology A.A.S. Degree

This innovative program in Music Technology provides students with the skills and expertise necessary to enter the field of computer-generated music. The curriculum provides a complete education in the software used in the digital music industry such as ProTools®, Digidesign®, Finale® and NOTION Music®. Graduates of this program will have the skills and expertise necessary to obtain employment in music preparation, orchestration, recording, performance and the video-gaming industry.

Graduates of this program will be able to:

- ▶ Examine the theoretical, historical, and technological perspectives required to create and perform music
- ▶ Apply the fundamentals of music theory and principles
- ▶ Utilize industry-standard equipment and applications for the production of music and multimedia

Requirements

General Education – 20 credits as described on page 50.

The following general education course is recommended for students choosing this program:

Code	Course	Credits
Humanities:		
MUSI 115	Theater Appreciation	3
	or	
THTR 135	Musical Theater	3

Career Studies – 30-36 credits as follows:

MUSI 101*	Fundamentals of Music	3
MUPF 101*	Group Piano I	3
MUTC 101	Pro Tools® I	3
MUTC 102	Pro Tools® II	3
MUTC 201	Pro Tools® III	3
MUTC 202	Pro Tools® IV	3
MUTC 111	Finale® I	3

MUTC 105	Advanced NOTION Music	3
MUTC 115	Introduction to Music Technology	3
MUTC 215	Composing Music for Media	3
COMM 115	Audio in Media	3
COMM 216	Advanced Digital Audio/Musical Recording	3

Elective:	4-10
Recommended:	
MUSI 103**	Ear Training 3

* Students with no prior music study are required to take MUSI 101 and MUPF 101. Students with the requisite music skills will have an opportunity to take a placement test. Students who are not required to take MUSI 101 and MUPF 101 are required to take elective credits to complete the 60-credit degree requirement.

** Offered Spring Term only

At the time of printing of the catalog, changes to this program were under review. Contact your Counselor or the Dean of Arts and Communications for program requirements for academic year 2011-2012.

Degree Audit

Your progress toward your degree is available through WebAdvisor. Refer to page 23 for details.

Credits required for degree: 60

Suggested Sequence – Music Technology A.A.S.

The following sequence is an example of how this degree may be completed in two years. This sequence is based on satisfaction of all Basic Skills requirements and prerequisites and presumes a Fall Term start date. An individual's program may vary depending on transfer institution, career objectives, or individual needs. See your counselor for other options and to monitor your progress.

Prerequisites:

Students with no prior music study are required to take the following prerequisite courses before taking MUTC 101, MUTC 105 or MUTC 111. Students with the requisite music skills will have an opportunity to take placement tests.

Course Code	Credits	Course Code	Credits
MUSI 101	3	MUPF 101	3
SEMESTER 1 – Fall Term		SEMESTER 2 – Spring Term	
MUTC 101	3	MUTC 102	3
MUTC 111	3	COMM 115	3
ENGL 121	3	ENGL 122 or SPCH 115	3
General Education	3	Mathematics or Science or Technological or Info Literacy	3-4
MUTC 115	3	Elective	3
	15		15-16
SEMESTER 3 – Fall Term		SEMESTER 4 – Spring Term	
MUTC 201	3	MUTC 202	3
General Education (1)	3	MUTC 215	3
MUTC 105	3	COMM 216	3
Humanities or Social Science	3	General Education ⁽¹⁾	2-3
Elective	1-4	Elective	0-3
	13		11-15

(1) One course is recommended from the Cultural & Global Awareness knowledge area.