

# Academic Programs

## Transitional Studies

### Option I Students

These are high school graduates who did not score successfully on the Placement Test in Mathematics, Reading and/or English and therefore need remediation. Option I students are advised by both the program advisor and Transitional Studies advisor.

### Option II Students

As of July 1, 2012, students who are non-high school graduates do not qualify for Title IV funds unless they meet Denmark Technical College's guidelines and policy and procedures for the equivalency of a high school diploma.

These are students who are not high school graduates and are admitted into one of the certificate programs that do not require high school credentials.

Upon receiving high school credentials, these students have the option to change their program or continue in the certificate program they are currently enrolled in.

Option II students are advised by both the program advisor and Transitional Studies advisor.

**It is advised that students complete requirements for Transitional Studies in two semesters.**

## Degrees, Diplomas and Certificates

### Associate in Arts and Science Majors

Associate in Arts  
Associate in Science

### Associate in Applied Science Majors

Administrative Office Technology  
Business Administration  
Computer Technology  
Criminal Justice Technology  
Early Care and Education  
Electromechanical Engineering Technology  
General Technology  
Human Services

### Diploma in Applied Science Majors

Administrative Support  
Barbering  
Cosmetology  
Practical Nursing

### Certificate in Applied Science Majors

Accounting  
Building Construction Fundamentals  
Computer Servicing and Repair  
Criminal Justice  
Culinary Arts  
Cybersecurity  
Early Childhood Development  
Entrepreneurship/Small Business  
Management  
General Studies  
Gerontology  
Multimedia Web Graphics Design  
Nurse Aide Assistant  
Plumbing  
Pre-Medical  
Welding  
Word Processing

## General Education Core

The General Education Core at Denmark Technical College is composed of courses designed to develop knowledge and skills that will serve students in their academic studies and careers. The General Education Core is made up of collegiate level courses from Humanities, Natural Sciences/Mathematics and Social/Behavioral Sciences. Courses from the Core at Denmark Technical College serve as the common foundation for the associate degree and diploma programs; however, certain programs may have specific core requirements. Courses in Humanities, Natural Sciences/Mathematics and Social Behavior Sciences satisfy the general education requirements for the associate degree and diploma programs.

## HUMANITIES/FINE ARTS

**\*Denotes Pure Humanities Course**

### ART 101

**\*Art History and Appreciation 3 SHC**

This is an introductory course to the history and appreciation of art, including the elements and principles of the visual arts.

### ENG 101

**English Composition I 3 SHC**

This is a (college transfer) course in which the following topics are presented: a study of composition in conjunction with appropriate literary selections, with frequent theme assignments to reinforce effective writing. A review of standard usage and the basic techniques of research are also presented.

### ENG 102

**English Composition II 3 SHC**

This is a (college transfer) course in which the following topics are presented: development of writing skills through logical organization, effective style, literary analysis and research. An introduction to literary genre is also included.

### ENG 201

**\*American Literature I 3 SHC**

This course is a study of American literature from the Colonial Period to the Civil War.

### ENG 202

**\*American Literature II 3 SHC**

This course is a study of American literature from the Civil War to present.

### ENG 205

**\*English Literature I 3 SHC**

This is a (college transfer) course in which the following top-

ics are presented: the study of English literature from the Old English Period to the Romantic Period with emphasis on major writers and periods.

### ENG 206

**\*English Literature II 3 SHC**

This is a (college transfer) course in which the following topics are presented: the study of English literature from the Romantic Period to the present with emphasis on major writers and periods.

### ENG 208

**\*World Literature I 3 SHC**

This course is a study of masterpieces of world literature in translation from the ancient world to the sixteenth century.

### ENG 209

**\*World Literature II 3 SHC**

This course is a study of masterpieces of world literature in translation from the seventeenth century to the present.

### HIS 101

**\*Western Civilization to 1689 3 SHC**

This course is a survey of Western Civilization from ancient times to 1689, including the major political, social, economic, and intellectual factors shaping Western cultural tradition.

### HIS 102

**\*Western Civilization: Post 1689 3 SHC**

This course is a survey of Western Civilization from 1689 to the present, including major political, social, economic, and intellectual factors which shape the modern Western world.

### HIS 115

**\*African-American History 3 SHC**

This course is a study of the history of African-Americans, including African heritage, American history, and significant contributions by individuals.

### HIS 201

**\*American History: Discovery to 1877 3 SHC**

This course is a survey of U.S. history from discovery to 1877. This course includes political, social, economic, and intellectual developments during this period.

### HIS 202

**\*American History: 1877 to Present 3 SHC**

This course is a survey of U.S. history from 1877 to the present. This course includes political, social, economic, and intellectual developments during this period.

**MUS 101****Chorus I 1 SHC**

This course includes the study and performance of selected choral music.

**MUS 102****Chorus II 1 SHC**

This course includes the study and performance of selected choral music.

**MUS 103****Chorus III 1 SHC**

This course includes the study and performance of selected choral music.

**MUS 104****Chorus IV 1 SHC**

This course includes the study and performance of selected choral music.

**MUS 105****Music Appreciation 3 SHC**

This course is an introduction to the study of music with focus on the elements of music and their relationships, the musical characteristics of representative works and composers, common musical forms and genres of various western and non-western historical style periods, and appropriate listening experiences.

**MUS 110****Music Fundamentals 3 SHC**

This course is an introduction to the elements of music and music notation with keyboard applications.

**SPA 101****\*Elementary Spanish I 4 SHC**

This course is a study of the four basic language skills: listening, speaking, reading and writing, including an introduction to Hispanic cultures.

**SPA 102****\*Elementary Spanish II 4 SHC**

This course continues development of the basic language skills and the study of Hispanic cultures.

**SPC 205****Public Speaking 3 SHC**

This course is an introduction to principles of public speaking with application of speaking skills.

**THE 101****\*Introduction to Theater 3 SHC**

This course includes the appreciation and analysis of theatrical literature, history and production.

**SOCIAL BEHAVIORAL SCIENCE****ECO 210****Macroeconomics 3 SHC**

This course includes the study of fundamental principles and policies of a modern economy to include markets and prices, national income accounting, cycles, employment theory and fiscal policy, banking and monetary controls, and the government's role in economic decisions and growth.

**ECO 211****Microeconomics 3 SHC**

This course includes the study of fundamental principles and policies of a modern economy to include markets and prices, national income accounting, cycles, employment theory and fiscal policy, banking and monetary controls, and the government's role in economic decisions and growth.

**PSC 201****American Government 3 SHC**

This course is a study of national governmental institutions with emphasis on the Constitution, the functions of the executive, legislative and judicial branches, civil liberties and the role of the electorate.

**PSY 201****General Psychology 3 SHC**

This course includes the following topics and concepts in the science of behavior: scientific methods, biological basis for behavior, perception, motivation, learning memory, development, personality, abnormal behavior, therapeutic techniques, and social psychology.

**SOC 101****Introduction to Sociology 3 SHC**

This course emphasizes the fundamental concepts and principles of sociology, including culture, socialization, interaction, social groups and stratification, effects of population growth, and technology in society and social institutions.

## NATURAL SCIENCES/MATHEMATICS

### BIO 101

#### Biological Science I 4 SHC

This course is the first of a sequence introducing biology. Topics include the scientific method, basic biochemistry, cell structure and function, cell physiology, cell reproduction and development, Mendelian genetics, population genetics, natural selection, evolution, and ecology.

### BIO 102

#### Biological Science II 4 SHC

This is a continuation of introductory biology which includes classification of organisms and structural and functional considerations of all kingdoms (particularly major phyla as well as viruses). Vertebrate animals and vascular plants are emphasized.

### BIO 210

#### Anatomy and Physiology I 4 SHC

This course is the first in a sequence of courses, including an intensive coverage of the body as an integrated whole. All body systems are studied.

### BIO 211

#### Anatomy and Physiology II 4 SHC

This course is a continuation of a sequence of courses, including coverage of the body as an integrated whole. All body systems are studied.

### CHM 110

#### College Chemistry I 4 SHC

This is the first course in a sequence which includes the following topics: atomic and molecular structure, nomenclature and equations, properties, reactions and states of matter, stoichiometry, gas laws, solutions and equilibria.

### CHM 111

#### College Chemistry II 4 SHC

This course is a continuation of the study of atomic and molecular structure, nomenclature and equations, properties, reactions and states of matter, stoichiometry, gas laws, solutions, and equilibria. Pre-requisite: CHM 110

### MAT 110

#### College Algebra 3 SHC

This course includes the following topics: polynomial, rational, logarithmic, and exponential functions; inequalities; systems of equations and inequalities; matrices; determinants; simple linear programming; solutions of higher degree polynomials; combinatorial algebra, including the binomial theorem; and introduction to probability. Prerequisite: MAT 102

### MAT 111

#### College Trigonometry 3 SHC

This course includes the following topics: circular functions; trigonometric identities; solution of right and oblique triangles; solution of trigonometric equations, polar coordinates, and complex numbers, including Demoivre's Theorem; vectors; conic sections; sequences; and series. Prerequisite: MAT 110

### MAT 112

#### Pre-Calculus 5 SHC

This course includes the following topics: algebraic, exponential, logarithmic, and trigonometric functions and their graphs; analytic trigonometry; analytic geometry; and applications of trigonometry.

### MAT 130

#### Elementary Calculus 3 SHC

This course includes the following topics: differentiation and integration of polynomials; rational, logarithmic, and exponential function; and interpretation and application of these processes. Prerequisite: MAT 110

### MAT 140

#### Analytical Geometry and Calculus I 4 SHC

This course includes the following topics: derivatives and integrals of polynomial, rational, logarithmic, exponential, trigonometric and inverse trigonometric functions; curve sketching; maxima and minima of functions; related rates; work; and analytic geometry. (Prerequisite: a college algebra course and a college trigonometry course or pre-calculus)

### MAT 141

#### Analytical Geometry and Calculus II 4 SHC

This course includes the following topics: continuation of calculus of one variable, including analytic geometry, techniques of integration, volumes by integration, and other applications; infinite series, including Taylor series and improper integrals. (Prerequisite: Analytical Geometry and Calculus I)

### MAT 155

#### Contemporary Mathematics 3 SHC

This course includes techniques and applications of the following topics: elementary number theory; algebra; geometry; measurement; graph sketching and interpretations; and descriptive statistics.

### MAT 177

#### Calculus 3 SHC

This course includes the following topics: differentiation and integration of polynomial and rational functions with applications of these processes.

**MAT 215****Geometry****3 SHC**

This course includes the following topics: Euclidean geometry of points, lines, triangles, circles, and polygons; right triangle trigonometry; and analytical geometry of the straight line. (This course is designed primarily for elementary teachers.)

**PHS 101****Physical Science I****4 SHC**

This is the first of a sequence of courses in physical science and includes an introduction to science with emphasis on science terminology and investigations of the physical world. Topics are selected from astronomy, chemistry, geology, and physics.

**PHS 102****Physical Science II****4 SHC**

This course is a continuation of the introduction to science with emphasis on science terminology and investigations of the physical world. Topics are selected from astronomy, chemistry, geology, and physics.

**PHY 201****Physics I****4 SHC**

This is the first in a sequence of Physics courses. Topics include mechanics, wave motion, sound, heat, electromagnetism, optics, and modern physics.



## Academic Program Display Sheets

The following section contains the Academic Program Display Sheets used by Denmark Technical College students, academic counselors, and faculty advisors to guide each student's academic career.

A copy of the student's display sheet is maintained in his advising file. Each academic program display sheet contains the following:

- Program Entrance Requirements which include Reading, Math, and English placement test score minimums
- General Education Requirements
- Core Subject Area Requirements
- Other Hours Required for Graduation
- Curriculum Course Sequence
- Program Description Indicating Career Opportunities

For academic programs that are nationally accredited or have specific entrance or licensing requirements, the information is also found on the display sheet.



## Index to Academic Program Display Sheets

### College Transfer Associate Degrees

Associate in Arts  
Associate in Science

### Associate Degrees

Administrative Office Technology  
Business Administration  
Computer Technology  
Criminal Justice Technology  
Early Care and Education  
Electromechanical Engineering Technology  
General Technology  
Human Services

### Diplomas

Administrative Support  
Barbering  
Cosmetology  
Practical Nursing

### Certificates

Accounting  
Building Construction Fundamentals  
Computer Servicing & Repair  
Criminal Justice  
Culinary Arts  
Cybersecurity  
Early Childhood Development  
Entrepreneurship/Small Business Management  
General Studies  
Gerontology  
Multimedia Web Graphics Design  
Nurse Aide Assistant  
Plumbing  
Pre-Medical  
Welding  
Word Processing



# DENMARK TECHNICAL COLLEGE



## ASSOCIATE DEGREE: ASSOCIATE IN ARTS (MIN - 63 SHC)

GENERAL EDUCATION: MINIMUM (63 SHC)

Student must be a high school graduate.

Student Name: \_\_\_\_\_

PLACEMENT RDG \_\_\_\_\_ MAT \_\_\_\_\_ ENG \_\_\_\_\_ MAT \_\_\_\_\_

*If the required placement test scores are not met for this major, the student is required to take the course as indicated.*

Student ID: \_\_\_\_\_

**COURSE** **LECT** **LAB** **SHC** **SEMESTER TAKEN** **GRADE**

Semester: \_\_\_\_\_

RDG \_\_\_\_\_

MAT \_\_\_\_\_

ENG \_\_\_\_\_

### HUMANITIES/FINE ARTS (HUM)

42 SHC

TOTAL 63 SHC

COURSE	LECT	LAB	SHC	SEMESTER TAKEN	GRADE
ENG101	ENGLISH COMPOSITION I (3-0-3)*			1 <sup>ST</sup> SEM	(SHC) TERM GRADE
ENG 102	ENGLISH COMPOSITION II (3-0-3)*			ENG 101	_____
SPC 205	PUBLIC SPEAKING (3-0-3)*			COL 103	_____
ENG 205	ENGLISH LITERATURE I (3-0-3)			SBS REQ.	_____
ENG 206	ENGLISH LITERATURE II (3-0-3)			HUM REQ.	_____
ENG 208	WORLD LITERATURE I (3-0-3)			NSM REQ.	_____
ENG 209	WORLD LITERATURE II (3-0-3)				_____
ENG 236	AFRICAN-AMERICAN LITERATURE (3-0-3)			2 <sup>ND</sup> SEM	(SHC) TERM GRADE
HIS 101	WESTERN CIVILIZATION TO 1689(3-0-3)			ENG 102	_____
HIS 102	WESTERN CIVILIZATION: POST 1689(3-0-3)			NSM REQ.	_____
HIS 201	AMERICAN HISTORY: DISCOVERY TO 1877(3-0-3)			SBS REQ.	_____
HIS 202	AMERICAN HISTORY: 1877 TO PRESENT (3-0-3)			HUM REQ.	_____
ART 101	ART HISTORY & APPRECIATION (3-0-3)			CPT 101	_____
MUS 105	MUSIC APPRECIATION (3-0-3)			HUM REQ.	_____
THE 101	INTRODUCTION TO THEATER (3-0-3)				_____
SPA 101	ELEMENTARY SPANISH I (3-3-4)			3 <sup>RD</sup> SEM	(SHC) TERM GRADE
SPA 102	ELEMENTARY SPANISH II (3-3-4)			SPC 205	_____
SPA 201	INTERMEDIATE SPANISH I (3-0-3)			HUM REQ.	_____
	*REQUIRED			HUM REQ.	_____

### NATURAL SCIENCES/MATHEMATICS (NSM)

MIN 6 SHC

COURSE	LECT	LAB	SHC	SEMESTER TAKEN	GRADE
BIO 101	BIOLOGICAL SCIENCE I (3-3-4)			4 <sup>TH</sup> SEM	(SHC) TERM GRADE
BIO 102	BIOLOGICAL SCIENCE II (3-3-4)			HUM REQ.	_____
BIO 210	ANATOMY AND PHYSIOLOGY I (3-3-4)			HUM REQ.	_____
BIO 211	ANATOMY AND PHYSIOLOGY II (3-3-4)			HUM REQ.	_____
CHM 110	COLLEGE CHEMISTRY I (3-3-4)			HUM REQ.	_____
CHM 111	COLLEGE CHEMISTRY II (3-3-4)			HUM REQ.	_____
MAT 110	COLLEGE ALGEBRA (3-0-3)			ELECTIVE	_____
MAT 120	PROBABILITY AND STATISTICS (3-0-3)				_____
PHS 101	PHYSICAL SCIENCE I (3-3-4)+				_____
PHS 102	PHYSICAL SCIENCE II (3-3-4)+				_____
	+ CHECK SCTRAC FOR TRANSFERABILITY.				_____

### SOCIAL/BEHAVIORAL SCIENCES (SBS)

6 SHC

SOC101	INTRODUCTION TO SOCIOLOGY (3-0-3)
ECO210	MACROECONOMICS (3-0-3)
ECO211	MICROECONOMICS (3-0-3)
PSC 201	AMERICAN GOVERNMENT (3-0-3)
PSY 201	GENERAL PSYCHOLOGY (3-0-3)
PSY 203	

### OTHER HOURS FOR GRADUATION

9 SHC

COL 103	COLLEGE SKILLS (3-0-3)
CPT 101	INTRODUCTIONS TO COMPUTERS (3-0-3)

ELECTIVE (3-0-3)

## Associate in Arts

**Program Description:** The Associate in Arts Program is designed to prepare students for transfer to a four-year college or university for study in the areas of humanities, social and behavioral sciences, or fine arts. The student along with his/her academic advisor will plan a program of study to meet the requirements of the college to which the student expects to transfer. Students who receive the Associate in Arts degree can expect to find employment in the career fields of English, foreign language, geography, history, international studies, journalism, law, political science, psychology, social work and sociology.



# DENMARK TECHNICAL COLLEGE



## ASSOCIATE DEGREE: ASSOCIATE IN SCIENCE (MIN - 62 SHC)

GENERAL EDUCATION: MINIMUM (62SHC)

Student must be a high School graduate.

Student Name: \_\_\_\_\_

PLACEMENT RDG \_\_\_\_\_ MAT \_\_\_\_\_ ENG \_\_\_\_\_ MAT \_\_\_\_\_

*If the required placement test scores are not met for this major, the student is required to take the course as indicated.*

Student ID: \_\_\_\_\_

COURSE LECT LAB SHC SEMESTER TAKEN GRADE

Semester: \_\_\_\_\_

RDG \_\_\_\_\_

MAT \_\_\_\_\_

ENG \_\_\_\_\_

### HUMANITIES/FINE ARTS(HUM)

23 SHC

- ENG 101 ENGLISH COMPOSITION I (3-0-3)\*
  - ENG 102 ENGLISH COMPOSITION II (3-0-3)\*
  - SPC 205 PUBLIC SPEAKING (3-0-3)\*
  - ENG 205 ENGLISH LITERATURE I (3-0-3)
  - ENG 206 ENGLISH LITERATURE II (3-0-3)
  - ENG 208 WORLD LITERATURE I (3-0-3)
  - ENG 209 WORLD LITERATURE II (3-0-3)
  - ENG 236 AFRICAN-AMERICAN LITERATURE (3-0-3)
  - HIS 101 WESTERN CIVILIZATION TO 1689(3-0-3)
  - HIS 102 WESTERN CIVILIZATION: POST 1689(3-0-3)
  - HIS 201 AMERICAN HISTORY: DISCOVERY TO 1877(3-0-3)
  - HIS 202 AMERICAN HISTORY:1877 TO PRESENT(3-0-3)
  - ART 101 ART HISTORY & APPRECIATION (3-0-3)
  - MUS 105 MUSIC APPRECIATION (3-0-3)
  - THE 101 INTRODUCTION TO THEATER (3-0-3)
  - SPA 101 ELEMENTARY SPANISH I (3-3-4)
  - SPA 102 ELEMENTARY SPANISH II (3-3-4)
  - SPA 201 INTERMEDIATE SPANISH I (3-0-3)
- \*REQUIRED

### OTHER HOURS FOR GRADUATION

9 SHC

- COL 103 COLLEGE SKILLS (3-0-3)
- CPT 101 INTRODUCTION TO COMPUTERS (3-0-3)
- ELECTIVE (3-0-3)

**TOTAL 62 SHC**

### NATURAL SCIENCES/MATHEMATICS (NSM)

MIN 24 SHC

- BIO 101 BIOLOGICAL SCIENCE I (3-3-4)
  - BIO 102 BIOLOGICAL SCIENCE II (3-3-4)
  - BIO 210 ANATOMY AND PHYSIOLOGY I (3-3-4)
  - BIO 211 ANATOMY AND PHYSIOLOGY II (3-3-4)
  - CHM 110 COLLEGE CHEMISTRY I (3-3-4)
  - CHM 111 COLLEGE CHEMISTRY II (3-3-4)
  - CHM 211 ORGANIC CHEMISTRY I (3-3-4)
  - CHM 212 ORGANIC CHEMISTRY II (3-3-4)
  - MAT 110 COLLEGE ALGEBRA (3-0-3)
  - MAT 111 COLLEGE TRIGONOMETRY (3-0-3)
  - MAT 120 PROBABILITY AND STATISTICS (3-0-3)
  - MAT 122 FINITE COLLEGE MATHEMATICS (3-0-3)
  - MAT 130 ELEMENTARY CALCULUS (3-0-3)
  - MAT 140 ANALYTICAL GEOMETRY AND CALCULUS I (4-0-4)
  - MAT 141 ANALYTICAL GEOMETRY AND CALCULUS II (4-0-4)
  - MAT 240 ANALYTICAL GEOMETRY AND CALCULUS III (4-0-4)
  - MAT 242 DIFFERENTIAL EQUATIONS (4-0-4)
  - PHS 101 PHYSICAL SCIENCE I (3-3-4)\*
  - PHS 102 PHYSICAL SCIENCE II (3-3-4)\*
- + CHECK SCTRAC FOR TRANSFERABILITY.

1 <sup>ST</sup> SEM	(SHC)	TERM	GRADE
ENG101	_____	_____	_____
COL 103	_____	_____	_____
SBS REQ.	_____	_____	_____
NSM REQ.	_____	_____	_____
NSM REQ.	_____	_____	_____
2 <sup>ND</sup> SEM	(SHC)	TERM	GRADE
ENG 102	_____	_____	_____
HUM REQ.	_____	_____	_____
NSM REQ.	_____	_____	_____
NSM REQ.	_____	_____	_____
CPT 101	_____	_____	_____
3 <sup>RD</sup> SEM	(SHC)	TERM	GRADE
SPC 205	_____	_____	_____
SBS REQ.	_____	_____	_____
NSM REQ.	_____	_____	_____
NSM REQ.	_____	_____	_____
HUM REQ.	_____	_____	_____
4 <sup>TH</sup> SEM	(SHC)	TERM	GRADE
NSM REQ.	_____	_____	_____
HUM REQ.	_____	_____	_____
HUM REQ.	_____	_____	_____
HUM REQ.	_____	_____	_____
ELECTIVE	_____	_____	_____

### SOCIAL/BEHAVIORAL SCIENCES (SBS)

6 SHC

- SOC 101 INTRODUCTION TO SOCIOLOGY (3-0-3)
- ECO 210 MACROECONOMICS (3-0-3)
- ECO 211 MICROECONOMICS (3-0-3)
- PSC 201 AMERICAN GOVERNMENT (3-0-3)
- PSY 201 GENERAL PSYCHOLOGY (3-0-3))

## Associate in Science

**Program Description:** The Associate in Science Program is designed to prepare students for transfer to a four-year college or university for study in the areas of the physical sciences, natural sciences or mathematics. The student along with his/her academic advisor will plan a program of study to meet the requirements of the college to which the student expects to transfer. Students who complete the Associate of Science degree requirements can expect to find employment in the science and mathematics career fields.



## **ASSOCIATE IN APPLIED SCIENCE PROGRAMS**

Administrative Office Technology

Business Administration

Computer Technology

Criminal Justice Technology

Early Care and Education

Electromechanical Engineering Technology

General Technology

Human Services



ASSOCIATE DEGREE: APPLIED SCIENCE IN ADMINISTRATIVE OFFICE TECHNOLOGY (69 SHC)

GENERAL EDUCATION: MINIMUM (15 SHC)

Student must be a high School graduate.

Student Name: \_\_\_\_\_ PLACEMENT \_\_\_\_\_ RDG \_\_\_\_\_ MAT \_\_\_\_\_ ENG \_\_\_\_\_ MAT \_\_\_\_\_
If the required placement test scores are not met for this major, the student is required to take the course as indicated.

Table with columns: COURSE, LECT, LAB, SHC, SEMESTER TAKEN, GRADE. Rows for RDG, MAT, ENG placement tests.

Table for HUMANITIES/FINE ARTS (9 SHC). Lists courses like ENG 101, SPC 205, HIS 101, etc., with columns for 1st SEM, (SHC), TERM, GRADE.

Table for NATURAL SCIENCES/MATHEMATICS (NSM) (3 SHC). Lists courses like BIO 101, CHM 110, MAT 110, etc., with columns for 2nd SEM, (SHC), TERM, GRADE.

Table for SOCIAL/BEHAVIORAL SCIENCES (SBS) (3 SHC). Lists courses like ECO 210, ECO 211, PSC 201, with columns for 3rd SEM, (SHC), TERM, GRADE.

Table for REQUIRED CORE SUBJECT AREAS (18 SHC). Lists courses like CPT 101, AOT 105, AOT 110, etc., with columns for 4th SEM, (SHC), TERM, GRADE.

Table for OTHER HOURS FOR GRADUATION (33 SHC). Lists courses like COL 103, ACC 101, AOT 120, etc., with columns for 4th SEM, (SHC), TERM, GRADE.

Table for ELECTIVE (3 SHC) and TOTAL 69 SHC.

Administrative Office Technology

Program Description: The Administrative Office Technology Program is structured to provide students with education and skills in secretarial office procedures, including training in the use of keyboarding, machine transcription, office machines, calculators, accounting, and word processing equipment.



ASSOCIATE DEGREE: APPLIED SCIENCE IN BUSINESS ADMINISTRATION (63 SHC)

GENERAL EDUCATION: MINIMUM (15 SHC)

Student must be a high School graduate.

Student Name: \_\_\_\_\_ PLACEMENT \_\_\_\_\_ RDG \_\_\_\_\_ MAT \_\_\_\_\_ ENG \_\_\_\_\_ MAT \_\_\_\_\_
If the required placement test scores are not met for this major, the student is required to take the course as indicated.

Table with columns: COURSE, LECT, LAB, SHC, SEMESTER TAKEN, GRADE. Rows for RDG, MAT, ENG.

HUMANITIES/FINE ARTS 9 SHC 1ST SEM (SHC) TERM GRADE

Table listing Humanities/Fine Arts courses: ENG 101, SPC 205, HIS 101, HIS 102, HIS 115, HIS 201, HIS 202. Includes 2ND SEM section with HUM REQ.

NATURAL SCIENCES/MATHEMATICS (NSM) 3 SHC

Table listing Natural Sciences/Mathematics courses: BIO 101, BIO 102, CHM 110, CHM 111, MAT 110, MAT 155, PHS 101, PHS 102.

SOCIAL/BEHAVIORAL SCIENCES (SBS) 3 SHC

Table listing Social/Behavioral Sciences courses: ECO 210, ECO 211, PSY 201, PSC 201.

REQUIRED CORE SUBJECT AREAS 15 SHC

Table listing Required Core Subject Areas: ACC 101, BUS 121, CPT 170, MGT 101, MKT 101. Includes note: COMPUTER REQUIREMENT SATISFIED WITH CPT 101

OTHER HOURS FOR GRADUATION 33 SHC

Table listing Other Hours for Graduation courses: COL 103, ACC 102, ACC 245, BAF 201, BUS 101, BUS 130, BUS 240, MKT 120, CPT 101.

ELECTIVE 3 SHC

Table for Elective course: \_\_\_\_\_ (3-0-3) TOTAL 63 SHC

Business Administration

Program Description: The Business Administration Program provides instruction in finance, marketing, accounting, management, and sales. Graduates of this program can pursue career opportunities in entry level accounting, sales, office management, and management. In addition, the program prepares students for small business ownership.



ASSOCIATE DEGREE: APPLIED SCIENCE IN COMPUTER TECHNOLOGY (63 SHC)

GENERAL EDUCATION: MINIMUM (15 SHC)

Student must be a high School graduate.

Student Name: \_\_\_\_\_ Student ID: \_\_\_\_\_ Semester: \_\_\_\_\_ PLACEMENT COURSE LECT LAB SHC SEMESTER TAKEN GRADE RDG \_\_\_\_\_ MAT \_\_\_\_\_ ENG \_\_\_\_\_

HUMANITIES/FINE ARTS

Table with 6 columns: Course, SHC, 1st SEM, (SHC), TERM, GRADE. Rows include ENG 101, SPC 205, HIS 101, HIS 102, HIS 115, HIS 201.

NATURAL SCIENCES/MATHEMATICS (NSM)

Table with 6 columns: Course, SHC, 2nd SEM, (SHC), TERM, GRADE. Rows include BIO 101, BIO 102, CHM 110, CHM 111, MAT 155, PHS 101, PHS 102.

SOCIAL/BEHAVIORAL SCIENCES (SBS)

Table with 6 columns: Course, SHC, 3rd SEM, (SHC), TERM, GRADE. Rows include ECO 210, ECO 211, PSC 201.

REQUIRED CORE SUBJECT AREAS

Table with 6 columns: Course, SHC, 4th SEM, (SHC), TERM, GRADE. Rows include CPT 115, CPT 170, CPT 215, CPT 257, CPT 264, IST 220.

OTHER HOURS FOR GRADUATION

Table with 6 columns: Course, SHC, 27 SHC. Rows include COL 103, BUS 101, CPT 212, CPT 235, CPT 168, CPT 234, CPT 242, IST 245, CPT 101.

Table with 6 columns: Course, SHC, 3 SHC. Row includes ELECTIVE (3-0-3).

TOTAL 63 SHC

Computer Technology

Program Description: The Computer Technology Program is designed to train students in computer programming languages and computer operations.



# DENMARK TECHNICAL COLLEGE



## ASSOCIATE DEGREE: APPLIED SCIENCE IN CRIMINAL JUSTICE TECHNOLOGY (60 SHC)

GENERAL EDUCATION: MINIMUM (15 SHC)

Student must be a high School graduate.

Student Name: \_\_\_\_\_

PLACEMENT RDG \_\_\_\_\_ MAT \_\_\_\_\_ ENG \_\_\_\_\_ MAT \_\_\_\_\_

*If the required placement test scores are not met for this major, the student is required to take the course as indicated.*

Student ID: \_\_\_\_\_

**COURSE LECT LAB SHC SEMESTER TAKEN GRADE**

Semester: \_\_\_\_\_

RDG \_\_\_\_\_  
MAT \_\_\_\_\_  
ENG \_\_\_\_\_

### HUMANITIES/FINE ARTS

9 SHC

1<sup>ST</sup> SEM

(SHC)

TERM

GRADE

ENG 101 ENGLISH COMPOSITION I (3-0-3)\*

COL 103

SPC 205 PUBLIC SPEAKING(3-0-3)\*

ENG 101

HIS 101 WESTERN CIVILIZATION TO 1689(3-0-3)

CRJ 101

HIS 102 WESTERN CIVILIZATION: POST 1689(3-0-3)

CRJ 115

HIS 115 AFRICAN AMERICAN HISTORY

CPT 101

HIS 201 AMERICAN HISTORY: DISCOVERY TO 1877(3-0-3)

HIS 202 AMERICAN HISTORY:1877 TO PRESENT(3-0-3)

2<sup>ND</sup> SEM

(SHC)

TERM

GRADE

\*REQUIRED

CRJ 125

CRJ 222

CRJ 236

CRJ 242

SBS REQ

### NATURAL SCIENCES/MATHEMATICS(NSM)

3 SHC

BIO 101 BIOLOGICAL SCIENCE I (3-3-4)

BIO 102 BIOLOGICAL SCIENCE II (3-3-4)

CHM 110 COLLEGE CHEMISTRY I (3-3-4)

CHM 111 COLLEGE CHEMISTRY II (3-3-4)

PHS 101 PHYSICAL SCIENCE I (3-3-4)

PHS 102 PHYSICAL SCIENCE II (3-3-4)

MAT 110 COLLEGE ALGEBRA (3-0-3)

MAT 120 PROBABILITY AND STATISTICS (3-0-3)

MAT 155 CONTEMPORARY MATHEMATICS (3-0-3)

3<sup>RD</sup> SEM

(SHC)

TERM

GRADE

CRJ 102

CRJ 145

CRJ 230

NSM REQ.

ELECTIVE\*\*

### SOCIAL/BEHAVIORAL SCIENCES (SBS)

3 SHC

4<sup>TH</sup> SEM

(SHC)

TERM

GRADE

SOC 101 INTRODUCTION TO SOCIOLOGY (3-0-3)\*

CRJ 130

ECO 210 MACROECONOMICS (3-0-3)

CRJ 244

ECO 211 MICROECONOMICS (3-0-3)

SPC 205

PSC 201 AMERICAN GOVERNMENT (3-0-3)

HUM REQ.

PSY 201 GENERAL PSYCHOLOGY (3-0-3)

ELECTIVE\*\*

\*REQUIRED

### REQUIRED CORE SUBJECT AREAS

15 SHC

CRJ 101 INTRODUCTION TO CRIMINAL JUSTICE (3-0-3)

CRJ 115 CRIMINAL LAW (3-0-3)

CRJ 125 CRIMINOLOGY (3-0-3)

CRJ 236 CRIMINAL EVIDENCE (3-0-3)

CRJ 242 CORRECTIONAL SYSTEMS (3-0-3)

\*\*Electives must be from a degree program.

### OTHER HOURS FOR GRADUATION

24 SHC

COL 103 COLLEGE SKILLS(3-0-3)

CRJ 102 INTRODUCTION TO SECURITY(3-0-3)

CRJ 130 POLICE ADMINISTRATION(3-0-3)

CRJ 145 JUVENILE DELINQUENCY (3-0-3)

CRJ 222 ETHICS IN CRIMINAL JUSTICE(2-3-3)

CRJ 230 CRIMINAL INVESTIGATION(3-0-3)

CRJ 244 PROBATION, PARDON, AND PAROLE(3-0-3)

CPT 101 INTRODUCTIONS TO COMPUTERS (3-0-3)

**TOTAL 60 (61) SHC**

## Criminal Justice

**Program Description:** The Criminal Justice Program is designed to provide course offerings for both law enforcement and corrections. Students who seek employment after graduation can pursue career opportunities in adult and juvenile corrections, city and county police, state patrol, private and industrial security, federal law enforcement agencies, and with the military.



# DENMARK TECHNICAL COLLEGE



## ASSOCIATE DEGREE: APPLIED SCIENCE IN EARLY CARE AND EDUCATION (66-67 SHC)

GENERAL EDUCATION: MINIMUM (15 SHC)

Student must be a high School graduate.

Student Name: \_\_\_\_\_ PLACEMENT \_\_\_\_\_ RDG \_\_\_\_\_ MAT \_\_\_\_\_ ENG \_\_\_\_\_ MAT \_\_\_\_\_  
*If the required placement test scores are not met for this major, the student is required to take the course as indicated.*

Student ID: \_\_\_\_\_ COURSE LECT LAB SHC SEMESTER TAKEN GRADE  
Semester: \_\_\_\_\_ RDG \_\_\_\_\_  
MAT \_\_\_\_\_  
ENG \_\_\_\_\_

<b>HUMANITIES/FINE ARTS</b>		<b>12 SHC</b>	<b>1<sup>ST</sup> SEM</b>	<b>(SHC)</b>	<b>TERM</b>	<b>GRADE</b>
ART 101	ART HISTORY & APPRECIATION (3-0-3)*		ENG 101	_____	_____	_____
ENG 101	ENGLISH COMPOSITION I (3-0-3)*		ECD 101	_____	_____	_____
SPC 205	PUBLIC SPEAKING(3-0-3)*		ECD 102	_____	_____	_____
HIS 101	WESTERN CIVILIZATION TO 1689(3-0-3)		COL 103	_____	_____	_____
HIS 102	WESTERN CIVILIZATION: POST 1689(3-0-3)		CPT 101	_____	_____	_____
HIS 115	AFRICAN-AMERICAN HISTORY (3-0-3)		HUM REQ.	_____	_____	_____
HIS 201	AMERICAN HISTORY: DISCOVERY TO 1877(3-0-3)					
HIS 202	AMERICAN HISTORY: 1877 TO PRESENT(3-0-3)		<b>2<sup>ND</sup> SEM</b>	<b>(SHC)</b>	<b>TERM</b>	<b>GRADE</b>
MUS 105	MUSIC APPRECIATION (3-0-3)		SPC 205	_____	_____	_____
THE 101	INTRODUCTION TO THEATER (3-0-3)		ECD 133	_____	_____	_____
	*REQUIRED		ECD 105	_____	_____	_____
			ECD 107	_____	_____	_____

<b>NATURAL SCIENCES/MATHEMATICS(NSM)</b>		<b>3 SHC</b>				
BIO 101	BIOLOGICAL SCIENCE I (3-3-4)		SBS REQ	_____	_____	_____
BIO 102	BIOLOGICAL SCIENCE II (3-3-4)		ART 101	_____	_____	_____
CHM 110	COLLEGE CHEMISTRY I (3-3-4)		<b>3<sup>RD</sup> SEM</b>	<b>(SHC)</b>	<b>TERM</b>	<b>GRADE</b>
CHM 111	COLLEGE CHEMISTRY II (3-3-4)		NSM REQ.	_____	_____	_____
PHS 101	PHYSICAL SCIENCE I (3-3-4)		ECD 132	_____	_____	_____
PHS 102	PHYSICAL SCIENCE II (3-3-4)		ECD 135	_____	_____	_____
MAT 110	COLLEGE ALGEBRA (3-0-3)		ECD 237	_____	_____	_____
			ECD 108	_____	_____	_____

<b>SOCIAL/BEHAVIORAL SCIENCES (SBS)</b>		<b>3 SHC</b>				
SOC 101	INTRODUCTION TO SOCIOLOGY (3-0-3)*		<b>4<sup>TH</sup> SEM</b>	<b>(SHC)</b>	<b>TERM</b>	<b>GRADE</b>
ECO 210	MACROECONOMICS (3-0-3)		ECD 109	_____	_____	_____
ECO 211	MICROECONOMICS (3-0-3)		ECD 131	_____	_____	_____
PSC 201	AMERICAN GOVERNMENT (3-0-3)		ECD 201	_____	_____	_____
PSY 201	GENERAL PSYCHOLOGY (3-0-3)		ECD 243	_____	_____	_____
			ECD 203	_____	_____	_____

<b>REQUIRED CORE SUBJECT AREAS</b>		<b>21 SHC</b>
ECD 101	INTRODUCTION TO EARLY CHILDHOOD (3-0-3)	
ECD 102	GROWTH AND DEVELOPMENT (2-3-3)	
ECD 105	GUIDANCE AND CLASSROOM MANAGEMENT (3-0-3)	
ECD 135	HEALTH, SAFETY AND NUTRITION (3-0-3)	
ECD 203	GROWTH AND DEVELOPMENT II (2-3-3)	
ECD 107	EXCEPTIONAL CHILDREN (3-0-3)	
ECD 243	SUPERVISED FIELD EXPERIENCE (1-6-3)	

<b>OTHER HOURS FOR GRADUATION</b>		<b>27 SHC</b>
COL 103	COLLEGE SKILLS (3-0-3)	
ECD 108	FAMILY AND COMMUNITY RELATIONS (3-0-3)	
ECD 109	ADMINISTRATION AND SUPERVISION (3-0-3)	
ECD 131	LANGUAGE ARTS (3-0-3)	
ECD 132	CREATIVE EXPERIENCES (2-3-3)	
ECD 133	SCIENCE AND MATH CONCEPTS (2-3-3)	
ECD 201	PRINCIPLES OF ETHICS AND LEADERSHIP (3-0-3)	
ECD 237	METHODS AND MATERIALS (3-0-3)	
CPT 101	INTRODUCTIONS TO COMPUTERS (3-0-3)	

**TOTAL 66 SHC**

### Early Care and Education

**Program Description:** The Early Care and Education major is designed to train students for specific career and employment goals who are currently employed in the field and wish to enhance their skills, as well as students with no previous experience. The program provides the theory and practical application in the growth and development, learning and behavior of preschool children. Students who matriculate in this program must have a Tuberculin Skin Test, a SLED Clearance and CPR/First Aid Training. Courses in this program are transferable to a number of senior institutions. Graduates of this program may pursue employment opportunities as teacher assistants in public Schools, as childcare providers in day care centers and nursery Schools, as lead and assistant teachers in Head Start Centers, and as coordinators in other Child Development agencies.



# DENMARK TECHNICAL COLLEGE



## ASSOCIATE DEGREE: APPLIED SCIENCE IN ELECTROMECHANICAL ENGINEERING TECHNOLOGY (69 SHC)

GENERAL EDUCATION: MINIMUM (25 SHC)

Student must be a high School graduate.

Student Name: \_\_\_\_\_ PLACEMENT \_\_\_\_\_ RDG \_\_\_\_\_ MAT \_\_\_\_\_ ENG \_\_\_\_\_ MAT \_\_\_\_\_  
 \_\_\_\_\_ *If the required placement test scores are not met for this major, the student is required to take the course as indicated.*

Student ID: \_\_\_\_\_ COURSE LECT LAB SHC SEMESTER TAKEN GRADE  
 Semester: \_\_\_\_\_ RDG \_\_\_\_\_  
 MAT \_\_\_\_\_  
 ENG \_\_\_\_\_

### HUMANITIES/FINE ARTS

	<b>9 SHC</b>	<b>1<sup>ST</sup> SEM</b>	<b>(SHC)</b>	<b>TERM</b>	<b>GRADE</b>
ENG 101 ENGLISH COMPOSITION I (3-0-3)*		COL 103	_____	_____	_____
SPC 205 PUBLIC SPEAKING (3-0-3)*		ENG 101	_____	_____	_____
HIS 101 WESTERN CIVILIZATION TO 1689(3-0-3)		EET 113**	_____	_____	_____
HIS 102 WESTERN CIVILIZATION: POST 1689(3-0-3)		EGR 194**	_____	_____	_____
HIS 115 AFRICAN-AMERICAN HISTORY (3-0-3)		MAT 110**	_____	_____	_____
HIS 201 AMERICAN HISTORY: DISCOVERY TO 1877 (3-0-3)		CPT 101	_____	_____	_____
HIS 202 AMERICAN HISTORY: 1877 TO PRESENT (3-0-3)					
*REQUIRED		<b>2<sup>ND</sup> SEM</b>	<b>(SHC)</b>	<b>TERM</b>	<b>GRADE</b>
		SPC 205	_____	_____	_____

### NATURAL SCIENCES/MATHEMATICS (NSM)

	<b>13 SHC</b>				
MAT 110 COLLEGE ALGEBRA (3-0-3)**		EET 145	_____	_____	_____
MAT 111 COLLEGE TRIGONOMETRY (3-0-3)		EET 114	_____	_____	_____
MAT 130 ELEMENTARY CALCULUS (3-0-3)		MAT 111	_____	_____	_____
PHY 201 PHYSICS I (3-0-3)		MET 227**	_____	_____	_____

### SOCIAL/BEHAVIORAL SCIENCES (SBS)

	<b>3 SHC</b>	<b>3<sup>RD</sup> SEM</b>	<b>(SHC)</b>	<b>TERM</b>	<b>GRADE</b>
ECO 210 MACROECONOMICS (3-0-3)		EGT 151	_____	_____	_____
ECO 211 MICROECONOMICS (3-0-3)		EET 227	_____	_____	_____
PSC 201 AMERICAN GOVERNMENT (3-0-3)		MET 224	_____	_____	_____
		PHY 201	_____	_____	_____
		MAT 130	_____	_____	_____

### REQUIRED CORE SUBJECT AREAS

	<b>15 SHC</b>	<b>4<sup>TH</sup> SEM</b>	<b>(SHC)</b>	<b>TERM</b>	<b>GRADE</b>
EET 113 ELECTRICAL CIRCUITS I (3-3-4)**		EET 233	_____	_____	_____
EET 114 ELECTRICAL CIRCUITS (3-3-4)		MET 231	_____	_____	_____
EET 145 DIGITAL CIRCUITS (3-3-4)		MET 214	_____	_____	_____
CPT 101 INTRODUCTION TO COMPUTERS (3-0-3)		SBS REQ.	_____	_____	_____

### OTHER HOURS FOR GRADUATION

	<b>29 SHC</b>	HUM REQ.	_____	_____	_____
COL 103 COLLEGE SKILLS (3-0-3)					
EGR 194 STATICS AND STRENGTH OF MATERIAL (3-3-4)**					
EGT 151 INTRODUCTION TO CAD (2-3-3)					
MET 214 FLUID MECHANICS (3-0-3)					
MET 224 HYDRAULICS AND PNEUMATICS (2-3-3)					
MET 227 INSTRUMENTATION PRINCIPLES (1-3-2)**					
EET 223 CONTROL SYSTEMS (3-3-4)					
EET 227 ELECTRICAL MACHINERY (2-3-3)					
MET 231 MACHINE DESIGN (3-3-4)					

**THIS COURSE IS A PREREQUISITE FOR HIGHER LEVEL EET COURSES:**  
 \*MAT 110 MUST BE TAKEN PRIOR TO 200 LEVEL COURSES IN THE MAJOR. \*\*EET 113 MUST BE TAKEN PRIOR TO EET 114; EET 145; EET 227; AND MET 227 IN THE MAJOR. \*\*MET 227 MUST BE TAKEN PRIOR TO EET 233 IN THE MAJOR. \*\*EGR 194 MUST BE TAKEN PRIOR TO MET 231 IN THE MAJOR.

**TOTAL 69 SHC**

## Electromechanical Engineering

**Program Description:** The Electromechanical Engineering Program trains students in basic circuit analysis, electronic circuits, and applications of engineering principles in the manufacturing, installation, testing, and testing and repair of electromechanical systems. Graduates of this program can explore career opportunities in manufacturing, general engineering technology, energy conversion, energy utilization and sales fields



# DENMARK TECHNICAL COLLEGE



## ASSOCIATE DEGREE: APPLIED SCIENCE IN GENERAL TECHNOLOGY (MIN - 67 SHC)

GENERAL EDUCATION: MINIMUM (15 SHC)

Student must be a high School graduate.

Student Name: \_\_\_\_\_

PLACEMENT RDG \_\_\_\_\_ MAT \_\_\_\_\_ ENG \_\_\_\_\_ MAT \_\_\_\_\_

*If the required placement test scores are not met for this major, the student is required to take the course as indicated.*

Student ID: \_\_\_\_\_

COURSE LECT LAB SHC SEMESTER TAKEN GRADE

Semester: \_\_\_\_\_

RDG \_\_\_\_\_

MAT \_\_\_\_\_

ENG \_\_\_\_\_

### HUMANITIES/FINE ARTS

9 SHC

1<sup>ST</sup> SEM

(SHC)

TERM

GRADE

ENG 101 ENGLISH COMPOSITION I (3-0-3)\*

COL 103

SPC 205 PUBLIC SPEAKING(3-0-3)\*

ENG 101

ENG 102 ENGLISH COMPOSITION II (3-0-3)

PRIM REQ.

HIS 101 WESTERN CIVILIZATION TO 1689(3-0-3)

PRIM REQ.

HIS 102 WESTERN CIVILIZATION: POST 1689(3-0-3)

SEC REQ.

HIS 115 AFRICAN AMERICAN HISTORY (3-0-3)

SEC REQ.

HIS 201 AMERICAN HISTORY: DISCOVERY TO 1877(3-0-3)

HIS 202 AMERICAN HISTORY:1877 TO PRESENT(3-0-3)

2<sup>ND</sup> SEM

(SHC)

TERM

GRADE

\*REQUIRED

PRIM REQ.

PRIM REQ .

PRIM REQ .

### NATURAL SCIENCES/MATHEMATICS(NSM)

MIN 3 SHC

BIO 101 BIOLOGICAL SCIENCE I (3-3-4)

SEC REQ.

BIO 210 ANATOMY AND PHYSIOLOGY I (3-3-4)

SBS REQ.

CHM 110 COLLEGE CHEMISTRY I (3-3-4)

CPT 101

MAT 110 COLLEGE ALGEBRA (3-0-3)

MAT 120 PROBABILITY AND STATISTICS (3-0-3)

3<sup>RD</sup> SEM

(SHC)

TERM

GRADE

MAT 155 CONTEMPORARY MATHEMATICS (3-0-3)

SPC 205

PHS 101 PHYSICAL SCIENCE I (3-3-4)

HUM REQ .

PRIM REQ .

PRIM REQ.

### SOCIAL/BEHAVIORAL SCIENCES (SBS)

3 SHC

SOC 101 INTRODUCTION TO SOCIOLOGY (3-0-3)

PRIM REQ.

ECO 210 MACROECONOMICS (3-0-3)

SEC REQ.

ECO 211 MICROECONOMICS (3-0-3)

PSC 201 AMERICAN GOVERNMENT (3-0-3)

4<sup>TH</sup> SEM

(SHC)

TERM

GRADE

PSY 201 GENERAL PSYCHOLOGY (3-0-3)

PRIM REQ .

PRIM REQ.

### PRIMARY SPECIALTY

MIN 28 SHC

SECONDARY SPECIALTY

18 SHC

SEC REQ.

SEC REQ.

NSM REQ.

OTHER HOURS FOR GRADUATION

9 SHC

COL103 COLLEGE SKILLS(3-0-3)

CPT 101 INTRODUCTIONS TO COMPUTERS (3-0-3)

TOTAL 67 SHC

## General Technology

**Program Description:** The General Technology major is an individualized course of study designed to train students for specific career and employment goals. The program is structured by the student with assistance from the student's advisor. The required core courses consist of primary and secondary technical specialties. The primary core consists of a minimum of 28 semester hour credits in a single content area from an approved degree, diploma, or certificate program. The secondary technical specialty consists of an additional 18 semester hour credits in another technical area. Additional courses may be identified to adapt the program to meet the needs of local employers and students. Courses from the College's associate degree, diploma, and certificate programs may be used to satisfy General Technology degree requirements.





# DENMARK TECHNICAL COLLEGE



## ASSOCIATE DEGREE: APPLIED SCIENCE IN GENERAL TECHNOLOGY (MIN - 67 SHC)

GENERAL EDUCATION: MINIMUM (15 SHC)

THIS SEQUENCE OF COURSES IS DESIGNED SPECIFICALLY FOR STUDENTS TO OBTAIN THEIR HIGH SCHOOL CREDENTIALS WHILE WORKING TOWARDS THEIR ASSOCIATE DEGREE. HIGH SCHOOL EQUIVALENCY WILL BE REQUIRED FOR TAKING THE GENERAL EDUCATION COURSES.

Student Name: \_\_\_\_\_ PLACEMENT \_\_\_\_\_ RDG \_\_\_\_\_ MAT \_\_\_\_\_ ENG \_\_\_\_\_ MAT \_\_\_\_\_  
 \_\_\_\_\_ *If the required placement test scores are not met for this major, the student is required to take the course as indicated.*

Student ID: \_\_\_\_\_ COURSE LECT LAB SHC SEMESTER TAKEN GRADE  
 Semester: \_\_\_\_\_ RDG \_\_\_\_\_  
 \_\_\_\_\_ MAT \_\_\_\_\_  
 \_\_\_\_\_ ENG \_\_\_\_\_

<b>HUMANITIES/FINE ARTS(HUM)</b>		<b>9 SHC</b>	<b>1<sup>ST</sup> SEM</b>	<b>(SHC)</b>	<b>TERM</b>	<b>GRADE</b>
ENG101	ENGLISH COMPOSITION I (3-0-3)*		COL 103	_____	_____	_____
SPC 205	PUBLIC SPEAKING (3-0-3)*		PRIM REQ.	_____	_____	_____
ENG 102	ENGLISH COMPOSITION II (3-0-3)		PRIM REQ.	_____	_____	_____
HIS 101	WESTERN CIVILIZATION TO 1689 (3-0-3)		SEC REQ.	_____	_____	_____
HIS 102	WESTERN CIVILIZATION: POST 1689 (3-0-3)		SEC REQ.	_____	_____	_____
HIS 115	AFRICAN AMERICAN HISTORY (3-0-3)					
HIS 201	AMERICAN HISTORY: DISCOVERY TO 1877 (3-0-3)		<b>2<sup>ND</sup> SEM</b>	<b>(SHC)</b>	<b>TERM</b>	<b>GRADE</b>
HIS 202	AMERICAN HISTORY:1877 TO PRESENT (3-0-3)		PRIM REQ.	_____	_____	_____

<b>NATURAL SCIENCES/MATHEMATICS(NSM)</b>		<b>MIN 3 SHC</b>				
BIO101	BIOLOGICAL SCIENCE I (3-3-4)		PRIM REQ.	_____	_____	_____
BIO 210	ANATOMY AND PHYSIOLOGY I (3-3-4)		PRIM REQ.	_____	_____	_____
CHM110	COLLEGE CHEMISTRY I (3-3-4)		SEC REQ.	_____	_____	_____
MAT 155	CONTEMPORARY MATHEMATICS (3-0-3)		SEC REQ.	_____	_____	_____

<b>SOCIAL/BEHAVIORAL SCIENCES (SBS)</b>		<b>3 SHC</b>	<b>3<sup>RD</sup> SEM</b>	<b>(SHC)</b>	<b>TERM</b>	<b>GRADE</b>
SOC 101	INTRODUCTION TO SOCIOLOGY (3-0-3)		PRIM REQ.	_____	_____	_____
ECO 210	MACROECONOMICS (3-0-3)		PRIM REQ.	_____	_____	_____
ECO 211	MICROECONOMICS (3-0-3)		PRIM REQ.	_____	_____	_____
PSC 201	AMERICAN GOVERNMENT (3-0-3)		SEC REQ.	_____	_____	_____
PSY 201	General Psychology (3-0-3)		SEC REQ.	_____	_____	_____

<b>PRIMARY SPECIALTY: WELDING OR BUILDING CONSTRUCTION28-29 SHC</b>			<b>4<sup>TH</sup> SEM</b>	<b>(SHC)</b>	<b>TERM</b>	<b>GRADE</b>
WLD 102 (2-0-2)	<b>OR</b>	BCT 102 (2-6-4)	ENG 101	_____	_____	_____
WLD 103 (1-0-1)	<b>OR</b>	BCT 103 (3-3-4)	SPC 205	_____	_____	_____
WLD 104 (1-3-2)	<b>OR</b>	BCT 105 (1-3-2)	HUM REQ.	_____	_____	_____
WLD 106 (3-3-4)	<b>OR</b>	BCT 112 (2-0-2)	NSM REQ.	_____	_____	_____
WLD 108 (3-3-4)	<b>OR</b>	BCT 138 (4-3-5)	SBS REQ.	_____	_____	_____
WLD 111 (3-3-4)	<b>OR</b>	BCT 151 (2-3-3)	CPT 101	_____	_____	_____
WLD 113 (3-3-4)	<b>OR</b>	BCT 221 (3-0-3)				
WLD 136 (1-3-2)	<b>OR</b>	MSY 101 (3-6-5)				
WLD 141 (1-3-2)						
WLD 154 (3-3-4)						

<b>SECONDARY SPECIALTY: CULINARY ART OR PLUMBING 17-18 SHC</b>		
BKP 120 (2-3-3)	<b>OR</b>	BCT 102 (2-6-4)
CUL 101 (2-3-3)	<b>OR</b>	BCT 112 (2-0-2)
CUL 102 (2-3-3)	<b>OR</b>	BCT 151 (2-3-3)
CUL 155 (3-0-3)	<b>OR</b>	BCT 152 (3-6-5)
CUL 235 (3-0-3)	<b>OR</b>	BCT 221 (3-0-3)
HOS 255 (3-0-3)		

<b>OTHER HOURS FOR GRADUATION</b>		<b>9 SHC</b>
COL 103	COLLEGE SKILLS (3-0-3)	
CPT 101	INTRODUCTIONS TO COMPUTERS (3-0-3)	
<b>TOTAL 67 SHC</b>		

### General Technology

**Program Description:** The General Technology major is an individualized course of study designed to train students for specific career and employment goals. The program is structured by the student with assistance from the student's advisor. The required core courses consist of primary and secondary technical specialties. The primary core consists of a minimum of 28 semester hour's credit in a single content area from an approved degree, diploma, or certificate program. The secondary technical specialty consists of an additional 17-18 semester hour credits in another technical area. Additional courses may be identified to adapt the program to meet the needs of local employers and students. Courses from the College's associate degree, diploma, and certificate programs may be used to satisfy General Technology degree requirements.



# DENMARK TECHNICAL COLLEGE



## ASSOCIATE DEGREE: APPLIED SCIENCE IN HUMAN SERVICES (60 SHC)

GENERAL EDUCATION: MINIMUM (15 SHC)

Student must be a high School graduate.

Student Name: \_\_\_\_\_

PLACEMENT RDG \_\_\_\_\_ MAT \_\_\_\_\_ ENG \_\_\_\_\_ MAT \_\_\_\_\_

*If the required placement test scores are not met for this major, the student is required to take the course as indicated.*

Student ID: \_\_\_\_\_

COURSE LECT LAB SHC SEMESTER TAKEN GRADE

Semester: \_\_\_\_\_

RDG \_\_\_\_\_  
MAT \_\_\_\_\_  
ENG \_\_\_\_\_

### HUMANITIES/FINE ARTS

9 (12) SHC

1<sup>ST</sup> SEM

(SHC)

TERM

GRADE

ENG 101 ENGLISH COMPOSITION I (3-0-3)\*

COL 103

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

SPC 205 PUBLIC SPEAKING (3-0-3)\*

ENG 101

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

HIS 101 WESTERN CIVILIZATION TO 1689 (3-0-3)

HUS 101

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

HIS 102 WESTERN CIVILIZATION: POST 1689 (3-0-3)

NSM REQ.

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

HIS 115 AFRICAN AMERICAN HISTORY

HUS 225

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

HIS 201 AMERICAN HISTORY: DISCOVERY TO 1877 (3-0-3)

2<sup>ND</sup> SEM

(SHC)

TERM

GRADE

HIS 202 AMERICAN HISTORY: 1877 TO PRESENT (3-0-3)

HUS 203

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\* REQUIRED

HUS 231

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

HUS 205

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

### NATURAL SCIENCES/MATHEMATICS (NSM)

3(4) SHC

HUM REQ.

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

BIO 101 BIOLOGICAL SCIENCE I (3-3-4)

CPT 101

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

BIO 102 BIOLOGICAL SCIENCE II (3-3-4)

3<sup>RD</sup> SEM

(SHC)

TERM

GRADE

CHM 110 COLLEGE CHEMISTRY I (3-3-4)

HUS 208

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

CHM 111 COLLEGE CHEMISTRY II (3-3-4)

HUS 150

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

PHS 101 PHYSICAL SCIENCE I (3-3-4)

HUS 230

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

PHS 102 PHYSICAL SCIENCE II (3-3-4)

SPC 205

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

MAT110 COLLEGE ALGEBRA (3-0-3)

SBS REQ.

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

MAT 120 PROBABILITY AND STATISTICS (3-0-3)

4<sup>TH</sup> SEM

(SHC)

TERM

GRADE

MAT 155 CONTEMPORARY MATHEMATICS (3-0-3)

HUS 204

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

### SOCIAL/BEHAVIORAL SCIENCES (SBS)

3 SHC

HUS 216

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

ECO 210 MACROECONOMICS (3-0-3)

HUS 151

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

ECO 211 MICROECONOMICS (3-0-3)

HUS 235

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

PSC 201 AMERICAN GOVERNMENT (3-0-3)

PSY 201

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

### REQUIRED CORE SUBJECT AREAS

15 SHC

HUS 101 INTRODUCTION TO HUMAN SERVICES (3-0-3)

HUS 216 BEHAVIOR CHANGE TECHNIQUES (3-0-3)

HUS 225 PERSONAL AND INTERPERSONAL ADJUSTMENT (3-0-3)

PSY 201 GENERAL PSYCHOLOGY (3-0-3)

HUS 230 INTERVIEWING TECHNIQUES (3-0-3)

### OTHER HOURS FOR GRADUATION

30 SHC

COL 103 COLLEGE SKILLS (3-0-3)

HUS 150 SUPERVISED FIELD PLACEMENT I (3-0-3)

HUS 151 SUPERVISE FIELD PLACEMENT II (3-0-3)

HUS 204 INTRODUCTION TO SOCIAL WORK (3-0-3)

HUS 203 HUMAN BEHAVIOR & THE SOCIAL ENVIRONMENT (2-3-3)

HUS 231 COUNSELING TECHNIQUES (3-0-3)

HUS 208 ALCOHOL AND DRUG ABUSE (3-0-3)

HUS 235 GROUP DYNAMICS

CPT 101 INTRODUCTION TO COMPUTERS (3-0-3)

**TOTAL 60 SHC**

## Human Services

**Program Description:** The Human Services Program is designed to prepare students for entry level position in Human Services and Social Service agencies. The instructional program prepares students with competencies for use in a wide array of Human Services practice arenas. Graduates of this program are trained to work in social service, youth, alcohol and drug abuse, vocational rehabilitation, aging and educational agencies. Students who matriculate in this program must have a Tuberculin Skin Test, and SLED.

# **DIPLOMA IN APPLIED SCIENCE PROGRAMS**

Administrative Support

Barbering

Cosmetology

Practical Nursing



# DENMARK TECHNICAL COLLEGE



## DIPLOMA: APPLIED SCIENCE IN ADMINISTRATIVE SUPPORT (45 SHC)

GENERAL EDUCATION: MINIMUM (9 SHC)

Student must be a high school graduate.

Student Name: \_\_\_\_\_

Student ID: \_\_\_\_\_

Semester: \_\_\_\_\_

PLACEMENT RDG \_\_\_\_\_ MAT \_\_\_\_\_ ENG \_\_\_\_\_  
*If the required placement test scores are not met for this major, the student is required to take the course as indicated.*

COURSE	LECT	LAB	SHC	SEMESTER TAKEN	GRADE
RDG _____	_____	_____	_____	_____	_____
MAT _____	_____	_____	_____	_____	_____
ENG _____	_____	_____	_____	_____	_____

<u>COMMUNICATIONS</u>	3 SHC	1 <sup>ST</sup> SEM	(SHC)	TERM	GRADE
ENG 101 ENGLISH COMPOSITION I (3-0-3)		COL 103	_____	_____	_____
		AOT 133	_____	_____	_____
<u>HUMANITIES/FINE ARTS</u>	3 SHC	1 <sup>ST</sup> SEM			
HIS 101 WESTERN CIVILIZATION TO 1689 (3-0-3)		ENG 101	_____	_____	_____
HIS 102 WESTERN CIVILIZATION: POST 1689 (3-0-3)		MAT 155	_____	_____	_____
HIS 115 AFRICAN-AMERICAN HISTORY (3-0-3)		CPT 101	_____	_____	_____
<u>NATURAL SCIENCES/MATHEMATICS (NSM)</u>	3 SHC	2 <sup>ND</sup> SEM	(SHC)	TERM	GRADE
HIS 201 AMERICAN HISTORY: DISCOVERY TO 1877 (3-0-3)		AOT 110	_____	_____	_____
HIS 202 AMERICAN HISTORY: 1877 TO PRESENT (3-0-3)		AOT 141	_____	_____	_____
		AOT 163	_____	_____	_____
		CPT 170	_____	_____	_____
<u>NATURAL SCIENCES/MATHEMATICS (NSM)</u>	3 SHC	3 <sup>RD</sup> SEM	(SHC)	TERM	GRADE
MAT 155 CONTEMPORARY MATHEMATICS (3-0-3)		ACC 101	_____	_____	_____
<u>REQUIRED CORE SUBJECT AREAS</u>	15 SHC				
CPT 101 INTRODUCTION TO COMPUTERS (3-0-3)		HUM REQ.	_____	_____	_____
AOT 105 KEYBOARDING (3-0-3)		AOT 120	_____	_____	_____
AOT 110 DOCUMENT FORMATTING (3-0-3)		AOT 167	_____	_____	_____
AOT 141 OFFICE PROCEDURES I (3-0-3)		MKT 135	_____	_____	_____
AOT 163 WORD PROCESSING (3-0-3)					
<u>OTHER HOURS FOR GRADUATION</u>	21 SHC				
COL 103 COLLEGE SKILLS (3-0-3)					
ACC 101 ACCOUNTING PRINCIPLES I (3-0-3)					
AOT 120 INTRODUCTION TO MACHINE TRANSCRIPTION (3-0-3)					
AOT 133 PROFESSIONAL DEVELOPMENT (3-0-3)					
CPT 170 MICROCOMPUTER APPLICATION (3-0-3)					
MKT 135 CUSTOMER SERVICE TECHNIQUES (3-0-3)					

TOTAL 45 SHC

### Administrative Support

**Program Description:** The Administrative Support Program prepares students in basic word-processing, machine transcription, filing, and computer and calculator functions for employment in these career fields.



# DENMARK TECHNICAL COLLEGE



## DIPLOMA: APPLIED SCIENCE IN BARBERING (49 SHC)

GENERAL EDUCATION: MINIMUM (9 SHC)

Student must be a high school graduate.

Student Name: \_\_\_\_\_

Student ID: \_\_\_\_\_

Semester: \_\_\_\_\_

PLACEMENT RDG \_\_\_\_\_ MAT \_\_\_\_\_ ENG \_\_\_\_\_  
If the required placement test scores are not met for this major, the student is required to take the course as indicated.

COURSE	LECT	LAB	SHC	SEMESTER TAKEN	GRADE
RDG _____	_____	_____	_____	_____	_____
MAT _____	_____	_____	_____	_____	_____
ENG _____	_____	_____	_____	_____	_____

### COMMUNICATIONS

	3 SHC	1 <sup>ST</sup> SEM	(SHC)	TERM	GRADE
ENG 160 TECHNICAL COMMUNICATIONS (3-0-3)		ENG 160	_____	_____	_____
NATURAL SCIENCES/MATHEMATICS (NSM) 3 SHC		COL 103	_____	_____	_____
MAT 155 CONTEMPORARY MATHEMATICS (3-0-3)		BAR 101	_____	_____	_____

### HUMANITIES/FINE ARTS

	3 SHC				
HIS 101 WESTERN CIVILIZATION TO 1689(3-0-3)		BAR 115	_____	_____	_____
HIS 102 WESTERN CIVILIZATION: POST 1689(3-0-3)		BAR 120	_____	_____	_____
HIS 115 AFRICAN-AMERICAN HISTORY (3-0-3)		BAR 135	_____	_____	_____

### 2<sup>ND</sup> SEM

	(SHC)	TERM	GRADE
HIS 201 AMERICAN HISTORY: DISCOVERY TO 1877 (3-0-3)		MAT 155	_____
HIS 202 AMERICAN HISTORY: 1877 TO PRESENT (3-0-3)		BAR 130	_____

### REQUIRED CORE SUBJECT AREAS

	19 SHC				
BAR 101 BARBERING FUNDAMENTALS (1-6-3)		BAR 240	_____	_____	_____
BAR 115 FACIAL CARE (1-6-3)		BAR 235	_____	_____	_____
BAR 130 FUNDAMENTALS OF HAIRCUTTING (1-6-3)		BAR 255	_____	_____	_____

### 3<sup>RD</sup> SEM

	(SHC)	TERM	GRADE
BAR 135 HAIR AND SCALP CARE I (1-6-3)		BAR 250	_____
BAR 240 CHEMICAL PROCESSING OF HAIR (1-6-3)		BAR 256	_____
BAR 255 BARBERING CLINICAL PRACTICE I (1-9-4)		SBS REQ.	_____
		CPT 101	_____

### OTHER HOURS FOR GRADUATION

	21 SHC				
COL 103 COLLEGE SKILLS (3-0-3)					
BAR 120 SHAMPOO AND CONDITIONERS (1-6-3)					
BAR 235 HAIR AND SCALP CARE II (1-6-3)					
CPT 101 INTRODUCTION TO COMPUTERS (3-0-3)					
BAR 250 BARBER SHOP MANAGEMENT (1-6-3)					
BAR 256 BARBERING CLINICAL PRACTICE II (1-12-6)					

**TOTAL 49 SHC**

## Barbering

**Program Description:** The Barbering Program prepares students with the knowledge and skills required by the South Carolina Board of Barber Examiners. Students accepted into this program can only enroll in curricula courses in the Fall Semester of each year. Students are required to spend 1,500 clock hours during the program in classroom lectures and clinical experiences. Students who matriculate in this diploma program must have a Tuberculin Skin Test prior to the first day of class. Job opportunities in Barbering include hair stylist, barber/stylist, colorist, wig specialist, hair straighten, or skin and hair specialist. The program also provides training in small business ownership, sales, product procurement, business management, and platform artistry.



# DENMARK TECHNICAL COLLEGE



## DIPLOMA: APPLIED SCIENCE IN COSMETOLOGY (53 SHC)

GENERAL EDUCATION: MINIMUM (9 SHC)

Student must be a high school graduate.

Student Name: \_\_\_\_\_  
Student ID: \_\_\_\_\_  
Semester: \_\_\_\_\_

PLACEMENT	RDG _____	MAT _____	ENG _____			
<i>If the required placement test scores are not met for this major, the student is required to take the course as indicated.</i>						
<b>COURSE</b>	<b>LECT</b>	<b>LAB</b>	<b>SHC</b>	<b>SEMESTER TAKEN</b>	<b>GRADE</b>	
RDG _____	_____	_____	_____	_____	_____	
MAT _____	_____	_____	_____	_____	_____	
ENG _____	_____	_____	_____	_____	_____	

<b>COMMUNICATIONS</b>	<b>3 SHC</b>	<b>1<sup>ST</sup> SEM</b>	<b>(SHC)</b>	<b>TERM</b>	<b>GRADE</b>
ENG 160 TECHNICAL COMMUNICATIONS (3-0-3)		COS 101	_____	_____	_____
		COS 110	_____	_____	_____
<b>HUMANITIES/FINE ARTS</b>	<b>3 SHC</b>	<b>COL 103</b>	_____	_____	_____
HIS 101 WESTERN CIVILIZATION TO 1689(3-0-3)		ENG 160	_____	_____	_____
HIS 102 WESTERN CIVILIZATION: POST 1689(3-0-3)		COS 116	_____	_____	_____
HIS 115 AFRICAN-AMERICAN HISTORY (3-0-3)		COS 114	_____	_____	_____
HIS 201 AMERICAN HISTORY: DISCOVERY TO 1877 (3-0-3)					
HIS 202 AMERICAN HISTORY: 1877 TO PRESENT (3-0-3)		<b>2<sup>ND</sup> SEM</b>	<b>(SHC)</b>	<b>TERM</b>	<b>GRADE</b>
		COS 106	_____	_____	_____
<b>NATURAL SCIENCES/MATHEMATICS (NSM)</b>	<b>3 SHC</b>	MAT 155	_____	_____	_____
MAT 155 CONTEMPORARY MATHEMATICS (3-0-3)		COS 108	_____	_____	_____
		COS 208	_____	_____	_____
<b>REQUIRED CORE SUBJECT AREAS</b>	<b>15 SHC</b>	COS 210	_____	_____	_____
COS 206 CHEMICAL HAIR WAVING (2-3-3)		COS 220	_____	_____	_____
COS 208 CHEMICAL HAIR RELAXING (1-6-3)					
COS 108 NAIL CARE (1-6-3)		<b>3<sup>RD</sup> SEM</b>	<b>(SHC)</b>	<b>TERM</b>	<b>GRADE</b>
COS 106 FACIALS AND MAKEUP (1-6-3)		COS 212	_____	_____	_____
COS 114 HAIR SHAPING (2-6-4)		COS 206	_____	_____	_____
COS 110 SCALP AND HAIR CARE (1-6-3)		COS 201	_____	_____	_____
COS 210 HAIR COLORING (2-3-3)		COS 222	_____	_____	_____
		SBS REQ.	_____	_____	_____
<b>OTHER HOURS FOR GRADUATION</b>	<b>22 SHC</b>				
COL 103 COLLEGE SKILLS (3-0-3)					
COS 101 FUNDAMENTALS OF COSMETOLOGY (1-6-3)					
COS 116 HAIR STYLING I (1-9-4)					
COS 212 HAIR LIGHTENING (1-6-3)					
COS 220 CLINICAL PRACTICE I (0-9-3)					
COS 222 CLINICAL PRACTICE II (0-9-3)					
COS 201 SALON MANAGEMENT (1-6-3)					
<b>TOTAL 53 SHC</b>					

**SPECIAL NOTE TO ALL COSMETOLOGY STUDENTS:** Denmark Technical College does not guarantee employment.

### The Address of the South Carolina Board of Cosmetology:

South Carolina Board of Cosmetology  
S.C. Dept. of Labor, Licensing & Regulations  
P.O. Box 11329  
Columbia, SC 29211-11329  
Phone: 803-896-4588

### Cosmetology

**Program Description:** The Cosmetology Program prepares students with the knowledge and skills required by the South Carolina State Board of Cosmetology for the licensing examination. Students are required to spend 1,500 clock hours in cosmetology. Students who matriculate in this diploma program must have a Tuberculin Skin Test prior to the first day of class. Job opportunities in Cosmetology include hair stylist, colorist, manicurist, wig specialist, or skin and hair specialist. The program also provides training in small business ownership, sales, product procurement, business management, and platform artistry.



# DENMARK TECHNICAL COLLEGE



## DIPLOMA: PRACTICAL NURSING DIPLOMA (48 SHC)

Student must be a high school graduate.

Student Name: \_\_\_\_\_  
 Student ID: \_\_\_\_\_  
 Semester: \_\_\_\_\_

PLACEMENT	RDG _____	MAT _____	ENG _____
<i>If the required placement test scores are not met for this major, the student is required to take the course as indicated.</i>			
<b>COURSE</b>	<b>LECT</b>	<b>LAB</b>	<b>SHC</b>
RDG _____	_____	_____	_____
MAT _____	_____	_____	_____
ENG _____	_____	_____	_____
			<b>SEMESTER TAKEN</b>
			_____
			<b>GRADE</b>
			_____

<b><u>HUMANITIES/FINE ARTS</u></b>	<b>3 SHC</b>	<b>1<sup>ST</sup> SEM</b>	<b>(SHC)</b>	<b>TERM</b>	<b>GRADE</b>
ENG 101 ENGLISH COMPOSITION I (3-0-3)*		BIO 210	_____	_____	_____
		ENG 101	_____	_____	_____
<b><u>NATURAL SCIENCES/MATHEMATICS (NSM)</u></b>	<b>11 SHC</b>	MAT 155	_____	_____	_____
BIO 210 ANATOMY AND PHYSIOLOGY I (3-3-4)		PNR 110	_____	_____	_____
BIO 211 ANATOMY AND PHYSIOLOGY II (3-3-4)		PNR 120	_____	_____	_____
MAT 155 CONTEMPORARY MATHEMATICS* (3-0-3)					
*MAT 110 can be substituted for college transfer		<b>2<sup>ND</sup> SEM</b>	<b>(SHC)</b>	<b>TERM</b>	<b>GRADE</b>
		BIO 211	_____	_____	_____
<b><u>SOCIAL/BEHAVIORAL SCIENCES (SBS)</u></b>	<b>3 SHC</b>	PNR 122	_____	_____	_____
PSY 201 GENERAL PSYCHOLOGY (3-0-3)		PNR 130	_____	_____	_____
		PNR 140	_____	_____	_____
<b><u>REQUIRED CORE SUBJECT AREAS</u></b>	<b>31 SHC</b>				
PNR 110 FUNDAMENTAL OF NURSING (3-6-5)		<b>3<sup>RD</sup> SEM</b>	<b>(SHC)</b>	<b>TERM</b>	<b>GRADE</b>
PNR 120 MEDICAL SURGICAL I (3-6-5)		PSY 201	_____	_____	_____
PNR 122 PHARMACOLOGY (2-3-3)		PNR 165	_____	_____	_____
PNR 130 MEDICAL SURGICAL II (3-6-5)		PNR 170	_____	_____	_____
PNR 140 MEDICAL SURGICAL III (3-6-5)					
PNR 165 NURSING CARE OF THE FAMILY (4-6-6)					
PNR 170 NURSING CARE OF THE OLDER ADULT (1.5-1.5-2)					

**Total 48 SHC**

### Practical Nursing

**Program Description:** The Practical Nursing Program is designed to prepare students in the basic level of nursing that applies the principles of therapeutic, preventative, and rehabilitative care. New students accepted to this program can only enroll in curricula courses in the fall semester of each year. Students who matriculated into this program must take a nursing entrance test (minimum score of 60), have a clear criminal background check, a clear drug screen, current immunization record, Tuberculin test, and CPR/First aid training. A Licensed Practical Nurse can practice under the supervision of an Advance Practice Registered Nurse (APRN), a Registered Nurse (RN), licensed physician, licensed dentist or other practitioner authorized by law to supervise LPN practice. Graduates of this program will be eligible to apply and to take the National Council Licensure Examination for the Practical Nurse (NCLEX-PN).

## **CERTIFICATE IN APPLIED SCIENCE PROGRAMS**

Accounting  
Building Construction Fundamentals  
Computer Servicing & Repair  
Criminal Justice  
Culinary Arts  
Cybersecurity  
Early Childhood Development  
Entrepreneurship/Small Business Management  
General Studies  
Gerontology  
Multi-Media Web Graphics Design  
Nurse Aide Assistant  
Plumbing  
Pre-Medical  
Welding  
Word Processing





# DENMARK TECHNICAL COLLEGE



## CERTIFICATE: APPLIED SCIENCE IN ACCOUNTING (30 SHC)

Student must be a high school graduate.

Student Name: \_\_\_\_\_  
 Student ID: \_\_\_\_\_  
 Semester: \_\_\_\_\_

PLACEMENT	RDG _____	MAT _____	ENG _____			
<i>If the required placement test scores are not met for this major, the student is required to take the course as indicated.</i>						
<b>COURSE</b>	<b>LECT</b>	<b>LAB</b>	<b>SHC</b>	<b>SEMESTER TAKEN</b>	<b>GRADE</b>	
RDG _____	_____	_____	_____	_____	_____	
MAT _____	_____	_____	_____	_____	_____	
ENG _____	_____	_____	_____	_____	_____	

### REQUIRED CORE SUBJECT AREAS

	30 SHC	1 <sup>ST</sup> SEM	(SHC)	TERM	GRADE
ACC 101 ACCOUNTING PRINCIPLES (3-0-3)		ACC 101	_____	_____	_____
ACC 124 INDIVIDUAL TAX PROCEDURES (3-0-3)		ACC 124	_____	_____	_____
BAF 201 PRINCIPLES OF FINANCE (3-0-3)		BAF 201	_____	_____	_____
CPT 170 MICROCOMPUTER APPLICATIONS (3-0-3)		CPT 174	_____	_____	_____
BUS 121 BUSINESS LAW (3-0-3)		CPT 170	_____	_____	_____
ACC 102 ACCOUNTING PRINCIPLES II (3-0-3)					
ACC 245 ACCOUNTING APPLICATIONS (3-0-3)		<b>2<sup>ND</sup> SEM</b>	<b>(SHC)</b>	<b>TERM</b>	<b>GRADE</b>
BUS 130 BUSINESS COMMUNICATIONS (3-0-3) OR		ACC 102	_____	_____	_____
ENG 170 BUSINESS COMMUNICATIONS (3-0-3)		ACC 245	_____	_____	_____
BUS 240 BUSINESS STATISTICS (3-0-3)		BUS 130	_____	_____	_____
CPT 174 MICROCOMPUTER SPREADSHEETS (3-0-3)		BUS 240	_____	_____	_____
		BUS 121	_____	_____	_____
	<b>TOTAL 30 SHC</b>				

Minimum grade of "C" required in all courses.

### Accounting

**Program Description:** This program prepares the student for entry-level positions in the fields of bookkeeping, general accounting, record keeping and payroll. Students completing this program will gain a basic understanding of the accounting process and computerized accounting applications.



CERTIFICATE: APPLIED SCIENCE IN BUILDING CONSTRUCTION FUNDAMENTALS (22 SHC)

Student Name: \_\_\_\_\_  
Student ID: \_\_\_\_\_  
Semester: \_\_\_\_\_

PLACEMENT	RDG _____	MAT _____	ENG _____
<i>If the required placement test scores are not met for this major, the student is required to take the course as indicated.</i>			
<b>COURSE</b>	<b>LECT</b>	<b>LAB</b>	<b>SHC</b>
RDG _____	_____	_____	_____
MAT _____	_____	_____	_____
ENG _____	_____	_____	_____

**REQUIRED CORE SUBJECT AREAS**

**22 SHC**

		<b>1<sup>ST</sup> SEM</b>	<b>(SHC)</b>	<b>TERM</b>	<b>GRADE</b>
BCT 102	FUNDAMENTALS OF BUILDING CONSTRUCTION (2-6-4)	BCT 221	_____	_____	_____
BCT 221	BUILDING CONSTRUCTION CODES (3-0-3)	BCT 112	_____	_____	_____
BCT 112	CONSTRUCTION PRINT READING (2-0-2)	BCT 102	_____	_____	_____
BCT 151	INTRODUCTION TO RESIDENTIAL PLUMBING (2-3-3)				
BCT 138	RESIDENTIAL WIRING (4-3-5)				
MSY 101	MASONRY FUNDAMENTALS (3-6-5)	<b>2<sup>ND</sup> SEM</b>	<b>(SHC)</b>	<b>TERM</b>	<b>GRADE</b>
		BCT 151	_____	_____	_____
		BCT 138	_____	_____	_____
		MSY 101	_____	_____	_____

**ELECTIVES**

BCT 103 CONSTRUCTION SITE LAYOUT (3-3-4)  
BCT 105 TOOL USAGE AND SAFETY (1-3-2)

**TOTAL 22 SHC**

**Building Construction Fundamentals**

**Program Description:** The Building Construction Fundamentals Program provides students with fundamental skills in masonry, plumbing and carpentry. Students who complete this certificate program can enter the building construction field as entry level brick masons, plumbers, or carpenters.



# DENMARK TECHNICAL COLLEGE



## CERTIFICATE: APPLIED SCIENCE IN COMPUTER SERVICING AND REPAIR (19 SHC)

Student must be a high school graduate.

Student Name: \_\_\_\_\_  
 Student ID: \_\_\_\_\_  
 Semester: \_\_\_\_\_

PLACEMENT	RDG _____	MAT _____	ENG _____
<i>If the required placement test scores are not met for this major, the student is required to take the course as indicated.</i>			
<b>COURSE</b>	<b>LECT</b>	<b>LAB</b>	<b>SHC</b>
RDG _____	_____	_____	_____
MAT _____	_____	_____	_____
ENG _____	_____	_____	_____

### REQUIRED CORE SUBJECT AREAS

	19 SHC	1 <sup>ST</sup> SEM	(SHC)	TERM	GRADE
ELT 109 INTRODUCTION TO ELECTRONICS SERVICING (3-3-4)		ELT 109	_____	_____	_____
ELT 202 SERVICING TECHNIQUES (1-3-2)		ELT 202	_____	_____	_____
ELT 229 MICROCOMPUTER REPAIR (2-3-3)		CPT 101	_____	_____	_____
CPT 101 INTRODUCTION TO COMPUTERS (3-0-3)					
CPT 170 MICROCOMPUTER APPLICATIONS (3-0-3)					
EET 131 ACTIVE DEVICES (3-3-4)		2 <sup>ND</sup> SEM	(SHC)	TERM	GRADE
		ELT 229	_____	_____	_____
	<b>TOTAL 19 SHC</b>	EET 131	_____	_____	_____
		CPT 170	_____	_____	_____

### Computer Servicing and Repair

**Program Description:** The Computer Servicing and Repair Program is designed to provide students with the necessary skills to pursue a career in the areas of personal computer servicing, troubleshooting and networking. Graduates of the program can expect to find employment opportunities in almost every sector of the job market where computers are in use. These opportunities include employment as computer technicians and support personnel in corporations, government, School systems, and independent businesses.



CERTIFICATE: APPLIED SCIENCE IN CRIMINAL JUSTICE (30)

Student must be a high school graduate.

Student Name: \_\_\_\_\_
Student ID: \_\_\_\_\_
Semester: \_\_\_\_\_

Table with columns: PLACEMENT, RDG, MAT, ENG, COURSE, LECT, LAB, SHC, SEMESTER TAKEN, GRADE. Includes a note: 'If the required placement test scores are not met for this major, the student is required to take the course as indicated.'

Table of Required Core Subject Areas with columns: COURSE, SHC, 1st SEM, 2nd SEM, (SHC), TERM, GRADE. Lists courses like CRJ 101, 102, 115, 230, 242, 125, 130, 236, 244, 145.

Criminal Justice

Program Description: The Criminal Justice Program is designed to update the skills and knowledge of professionals working in corrections and law enforcement, and to prepare others to enter the Criminal Justice career fields.



# DENMARK TECHNICAL COLLEGE



## CERTIFICATE: APPLIED SCIENCE IN CULINARY ARTS (18 SHC)

Student Name: \_\_\_\_\_  
 Student ID: \_\_\_\_\_  
 Semester: \_\_\_\_\_

PLACEMENT	RDG _____	MAT _____	ENG _____			
<i>If the required placement test scores are not met for this major, the student is required to take the course as indicated.</i>						
<b>COURSE</b>	<b>LECT</b>	<b>LAB</b>	<b>SHC</b>	<b>SEMESTER TAKEN</b>	<b>GRADE</b>	
RDG _____	_____	_____	_____	_____	_____	
MAT _____	_____	_____	_____	_____	_____	
ENG _____	_____	_____	_____	_____	_____	

### REQUIRED CORE SUBJECT AREAS

	18 SHC	1 <sup>ST</sup> SEM	(SHC)	TERM	GRADE
CUL 101 PRINCIPLES OF FOOD PRODUCTION (2-3-3)		CUL 101	_____	_____	_____
CUL 102 PRINCIPLES OF FOOD PRODUCTION II (2-3-3)		CUL 155	_____	_____	_____
BKP 120 BAKESHOP PRODUCTION (2-3-3)		CUL 235	_____	_____	_____
CUL 155 HOSPITALITY SANITATION (3-0-3)					
CUL 235 MENU PLANNING (3-0-3)					
HOS 255 FOOD SERVICE MANAGEMENT (3-0-3)					

### ELECTIVES

		2 <sup>ND</sup> SEM	(SHC)	TERM	GRADE
CUL 103 NUTRITION (3-0-3)		CUL 102	_____	_____	_____
CUL 104 INTRODUCTION TO CULINARY ARTS (3-0-3)		BKP 120	_____	_____	_____
CUL 225 BUFFET ORGANIZATION (3-3-4)		HOS 255	_____	_____	_____

**TOTAL 18 SHC**

### Culinary Arts

**Program Description:** The Culinary Arts Program is designed to give students a basic foundation in the methods and chemistry of cooking. The program provides classroom training and practical skills in cooking techniques, cooking equipment, and operation of the dining room. In addition, students gain experience in menu planning, nutrition, and banquet planning. Students who complete this certificate program may pursue careers as a chef, short-order cook, baker, pastry chef, and self-employment in the catering business.



# DENMARK TECHNICAL COLLEGE



## CERTIFICATE: APPLIED SCIENCE IN CYBERSECURITY (30 SHC)

Student must be a high school graduate.

Student Name: \_\_\_\_\_  
Student ID: \_\_\_\_\_  
Semester: \_\_\_\_\_

PLACEMENT	RDG _____	MAT _____	ENG _____
<i>If the required placement test scores are not met for this major, the student is required to take the course as indicated.</i>			
<b>COURSE</b>	<b>LECT</b>	<b>LAB</b>	<b>SHC</b>
RDG _____	_____	_____	_____
MAT _____	_____	_____	_____
ENG _____	_____	_____	_____

<u>REQUIRED CORE SUBJECT AREAS</u>	<b>30 SHC</b>	<b>1<sup>ST</sup> SEM</b>	<b>(SHC)</b>	<b>TERM</b>	<b>GRADE</b>
CPT 104 INTRODUCTION TO INFORMATION TECHNOLOGY (3-0-3)		CPT 104	_____	_____	_____
CPT 282 INFORMATION SYSTEMS SECURITY (3-0-3)		IST 293	_____	_____	_____
IST 245 LOCAL AREA NETWORKS (3-0-3)		CPT 282	_____	_____	_____
IST 291 FUND. OF NETWORK SECURITY I: (SECURITY+ PREPARATION (3-0-3)		IST 291	_____	_____	_____
IST 292 FUNDAMENTALS OF NETWORK SECURITY II (3-0-3)		IST 190	_____	_____	_____
IST 293 IT AND DATA ASSURANCE I (3-0-3)					
IST 294 IT AND DATA ASSURANCE II (3-0-3)		<b>2<sup>ND</sup> SEM</b>	<b>(SHC)</b>	<b>TERM</b>	<b>GRADE</b>
IST 190 LINUX ESSENTIALS (3-0-3)		IST 268	_____	_____	_____
IST 193 LINUX SECURITY ADMINISTRATION (3-0-3)		IST 245	_____	_____	_____
IST 268 COMPUTER FORENSICS (3-0-3)		IST 193	_____	_____	_____
	<b>TOTAL 30 SHC</b>	IST 292	_____	_____	_____
		IST 294	_____	_____	_____

### Cybersecurity

**Program Description:** The purpose of the Cybersecurity certificate is to provide students with the foundational concepts and skills necessary to protect and defend information systems from attack, and to limit access to network resources. Additionally, the program will prepare students for employment in a variety of entry level careers in Cybersecurity. The program leads to certifications in the Cybersecurity/Information Assurance field which include – Network+ and Security+. The certificate program courses may be applied to an A.S. degree in Cybersecurity.



CERTIFICATE: APPLIED SCIENCE IN EARLY CHILDHOOD DEVELOPMENT (27 SHC)

Student must be a high school graduate.

Student Name: \_\_\_\_\_  
Student ID: \_\_\_\_\_  
Semester: \_\_\_\_\_

PLACEMENT	RDG _____	MAT _____	ENG _____
<i>If the required placement test scores are not met for this major, the student is required to take the course as indicated.</i>			
<b>COURSE</b>	<b>LECT</b>	<b>LAB</b>	<b>SHC</b>
RDG _____	_____	_____	_____
MAT _____	_____	_____	_____
ENG _____	_____	_____	_____

<u>REQUIRED CORE SUBJECT AREAS</u>	27 SHC	1 <sup>ST</sup> SEM	(SHC)	TERM	GRADE
ECD 101 INTRODUCTION TO EARLY CHILDHOOD (3-0-3)		ECD 101	_____	_____	_____
ECD 102 GROWTH AND DEVELOPMENT I (2-3-3)		ECD 102	_____	_____	_____
ECD 203 GROWTH AND DEVELOPMENT II (2-3-3)		ECD 132	_____	_____	_____
ECD 105 GUIDANCE AND CLASSROOM MANAGEMENT (3-0-3)		ECD 135	_____	_____	_____
ECD 131 LANGUAGE ARTS (3-0-3)					
ECD 132 CREATIVE EXPERIENCES (2-3-3)					
ECD 107 EXCEPTIONAL CHILDREN (3-0-3)		2 <sup>ND</sup> SEM	(SHC)	TERM	GRADE
ECD 133 SCIENCE AND MATH CONCEPTS (2-3-3)		ECD 203	_____	_____	_____
ECD 135 HEALTH, SAFETY, & NUTRITION (3-0-3)		ECD 105	_____	_____	_____
		ECD 107	_____	_____	_____
		ECD 131	_____	_____	_____
		ECD 133	_____	_____	_____
	<b>TOTAL 27 SHC</b>				

Early Childhood Development

**Program Description:** The Early Childhood Development Program is targeted toward individuals who are currently employed in the field and wish to enhance their skills, as well as students with no previous experience in Early Childhood Development. The program provides the theory and practical application in the growth and development, learning and behavior of pre-school children. Students who matriculate in this certificate program must have a Tuberculin Skin Test, a SLED Clearance, and CPR/First Aid. Courses in this program are transferable to a number of senior institutions. Graduates of this program may pursue employment opportunities as teacher assistants in Day Care Centers, Nursery Schools, Elementary Schools, Head Start Centers, and other Child Development agencies.



CERTIFICATE: APPLIED SCIENCE IN ENTREPRENEURSHIP/SMALL BUSINESS MANAGEMENT (28 SHC)

Student Name: \_\_\_\_\_  
Student ID: \_\_\_\_\_  
Semester: \_\_\_\_\_

PLACEMENT	RDG _____	MAT _____	ENG _____
<i>If the required placement test scores are not met for this major, the student is required to take the course as indicated.</i>			
<b>COURSE</b>	<b>LECT</b>	<b>LAB</b>	<b>SHC</b>
RDG _____	_____	_____	_____
MAT _____	_____	_____	_____
ENG _____	_____	_____	_____

**REQUIRED CORE SUBJECT AREAS**

	<b>25 SHC</b>	<b>1<sup>ST</sup> SEM</b>	<b>(SHC)</b>	<b>TERM</b>	<b>GRADE</b>
ACC 110 ACCOUNTING FOR ENTREPRENEURS (3-0-3)		ACC 110	_____	_____	_____
BUS 115 INTRODUCTION TO ENTREPRENEURSHIP (3-0-3)		BUS 115	_____	_____	_____
MKT 101 MARKETING (3-0-3)		MKT 101	_____	_____	_____
BAF 201 PRINCIPLES OF FINANCE (3-0-3)		BAF 201	_____	_____	_____
ACC 242 SMALL BUSINESS SOFTWARE (1-0-1)		ELECTIVE _____	_____	_____	_____
MGT 101 PRINCIPLES OF MANAGEMENT (3-0-3)					
BUS 121 BUSINESS LAW (3-0-3)		<b>2<sup>ND</sup> SEM</b>	<b>(SHC)</b>	<b>TERM</b>	<b>GRADE</b>
BUS 120 BUSINESS PLAN (3-0-3)		ACC 242	_____	_____	_____
CPT 170 MICROCOMPUTER APPLICATIONS (3-0-3)		MGT 101	_____	_____	_____
		BUS 121	_____	_____	_____
BUS 210 INTRODUCTION TO ECOMMERCE (3-0-3)or		BUS 120	_____	_____	_____
MKT 110 RETAILING (3-0-3)		CPT 170	_____	_____	_____

**ELECTIVE**

**3 SHC**

\_\_\_\_\_ (3-0-3)

**TOTAL 28 SHC**

**Entrepreneurship/Small Business Management**

**Program Description:** The purpose of the Entrepreneurship/Small Business Management certificate is to provide students with the foundational concepts and skills necessary to start, operate, and manage a small business.





# DENMARK TECHNICAL COLLEGE



## CERTIFICATE: APPLIED SCIENCE IN GENERAL STUDIES (MIN - 18 SHC)

GENERAL EDUCATION: MINIMUM (18 SHC)

Student must be a high school graduate.

Student Name: \_\_\_\_\_

Student ID: \_\_\_\_\_

Semester: \_\_\_\_\_

PLACEMENT RDG \_\_\_\_\_ MAT \_\_\_\_\_ ENG \_\_\_\_\_  
*If the required placement test scores are not met for this major, the student is required to take the course as indicated.*

COURSE	LECT	LAB	SHC	SEMESTER TAKEN	GRADE
RDG _____	_____	_____	_____	_____	_____
MAT _____	_____	_____	_____	_____	_____
ENG _____	_____	_____	_____	_____	_____

### HUMANITIES/FINE ARTS

9 SHC

1<sup>ST</sup> SEM

(SHC)

TERM

GRADE

ENG101	ENGLISH COMPOSITION I (3-0-3)*		ENG101	_____	_____	_____
SPC 205	PUBLIC SPEAKING(3-0-3)*		SBS REQ	_____	_____	_____
ENG 102	ENGLISH COMPOSITION II (3-0-3)		NSM REQ.	_____	_____	_____
ENG 205	ENGLISH LITERATURE I (3-0-3)					
ENG 206	ENGLISH LITERATURE II (3-0-3)					
ENG 208	WORLD LITERATURE I (3-0-3)		2 <sup>ND</sup> SEM	(SHC)	TERM	GRADE
ENG 209	WORLD LITERATURE II (3-0-3)		SPC 205	_____	_____	_____
ENG 236	AFRICAN-AMERICAN LITERATURE (3-0-3)		HUM REQ .	_____	_____	_____
HIS 101	WESTERN CIVILIZATION TO 1689(3-0-3)		CPT 101	_____	_____	_____
HIS 102	WESTERN CIVILIZATION: POST 1689(3-0-3)					
HIS 115	AFRICAN AMERICAN HISTORY (3-0-3)					
HIS 201	AMERICAN HISTORY: DISCOVERY TO 1877(3-0-3)					
HIS 202	AMERICAN HISTORY:1877 TO PRESENT(3-0-3)					
ART 101	ART HISTORY & APPRECIATION (3-0-3)					
MUS 105	MUSIC APPRECIATION (3-0-3)					
THE101	INTRODUCTION TO THEATRE (3-0-3)					
SPA 101	ELEMENTARY SPANISH I (3-3-4)					

### NATURAL SCIENCES/MATHEMATICS(NSM)

MIN 3 SHC

BIO101	BIOLOGICAL SCIENCE I (3-3-4)
BIO 210	ANATOMY AND PHYSIOLOGY I (3-3-4)
CHM110	COLLEGE CHEMISTRY I (3-3-4)
PHS 101	PHYSICAL SCIENCE I (3-3-4)
MAT110	COLLEGE ALGEBRA (3-0-3)
MAT 120	PROBABILITY AND STATISTICS (3-0-3)
MAT 155	CONTEMPORARY MATHEMATICS (3-0-3)

### SOCIAL/BEHAVIORAL SCIENCES (SBS)

3 SHC

SOC101	INTRODUCTION TO SOCIOLOGY (3-0-3)
ECO210	MACROECONOMICS (3-0-3)
ECO211	MICROECONOMICS (3-0-3)
PSC 201	AMERICAN GOVERNMENT (3-0-3)
PSY 201	GENERAL PSYCHOLOGY (3-0-3)

### OTHER HOURS FOR GRADUATION

3 SHC

CPT 101	INTRODUCTIONS TO COMPUTERS (3-0-3)
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**TOTAL 18 SHC**

## General Studies

**Program Description:** The General Studies Certificate Program is designed for those students who have not decided what career path to pursue but still want to attend college. The courses in this certificate can be used to improve their academic skills for transfer to senior institutions. The courses that they select can be applied toward the Associate in Arts or Associate Science Degree or can be used as part of the General Education requirements for Associate Degree and Diploma Programs.



# DENMARK TECHNICAL COLLEGE



## CERTIFICATE: APPLIED SCIENCE IN GERONTOLOGY (29 SHC)

Student must be a high school graduate.

Student Name: \_\_\_\_\_

Student ID: \_\_\_\_\_

Semester: \_\_\_\_\_

PLACEMENT \_\_\_\_\_ RDG \_\_\_\_\_ MAT \_\_\_\_\_ ENG \_\_\_\_\_  
*If the required placement test scores are not met for this major, the student is required to take the course as indicated.*

COURSE	LECT	LAB	SHC	SEMESTER TAKEN	GRADE
RDG _____	_____	_____	_____	_____	_____
MAT _____	_____	_____	_____	_____	_____
ENG _____	_____	_____	_____	_____	_____

### REQUIRED CORE SUBJECT AREAS

	29 SHC	1 <sup>ST</sup> SEM	(SHC)	TERM	GRADE
HUS 112 SERVICES FOR THE ELDERLY (2-0-2)		HUS 112	_____	_____	_____
HUS 134 ACTIVITY THERAPY (3-0-3)		HUS 134	_____	_____	_____
HUS 150 SUPERVISED FIELD PLACEMENT I (1-6-3)		HUS 150	_____	_____	_____
HUS 151 SUPERVISED FIELD PLACEMENT II (1-6-3)		HUS 205	_____	_____	_____
HUS 205 GERONTOLOGY (3-0-3)		HUS 209	_____	_____	_____
HUS 206 DEATH AND DYING (3-0-3)					
HUS 209 CASE MANAGEMENT (3-0-3)					
HUS 216 BEHAVIOR CHANGE TECHNIQUES (3-0-3)		2 <sup>ND</sup> SEM	(SHC)	TERM	GRADE
HUS 231 COUNSELING TECHNIQUES (3-0-3)		HUS 151	_____	_____	_____
HUS 237 CRISIS INTERVENTION (3-0-3)		HUS 206	_____	_____	_____
		HUS 216	_____	_____	_____
		HUS 231	_____	_____	_____
		HUS 237	_____	_____	_____
	<b>TOTAL 29 SHC</b>				

### Gerontology

**Program Description:** The Gerontology Program prepares graduates for positions in agencies and institutions which administer health and community-based services for older adults. Upon completion of the program, students will be able to seek employment in assisted living communities, senior centers, adult day care centers, home health agencies, rehabilitation centers, nursing homes, hospitals, area agencies on aging and social welfare agencies.



# DENMARK TECHNICAL COLLEGE



## CERTIFICATE: APPLIED SCIENCE IN MULTIMEDIA WEB GRAPHICS DESIGN (27 SHC)

Student must be a high school graduate.

Student Name: \_\_\_\_\_  
 Student ID: \_\_\_\_\_  
 Semester: \_\_\_\_\_

PLACEMENT	RDG _____	MAT _____	ENG _____
<i>If the required placement test scores are not met for this major, the student is required to take the course as indicated.</i>			
<b>COURSE</b>	<b>LECT</b>	<b>LAB</b>	<b>SHC</b>
RDG _____	_____	_____	_____
MAT _____	_____	_____	_____
ENG _____	_____	_____	_____
			<b>SEMESTER TAKEN</b>
			<b>GRADE</b>

### REQUIRED CORE SUBJECT AREAS

	27 SHC	1 <sup>ST</sup> SEM	(SHC)	TERM	GRADE
CPT 101 INTRODUCTION TO COMPUTERS (3-0-3)		CPT 101	_____	_____	_____
CPT 170 MICROCOMPUTER APPLICATIONS (3-0-3)		CPT 170	_____	_____	_____
CPT 174 MICROCOMPUTER SPREADSHEETS (3-0-3)		CPT 174	_____	_____	_____
BUS 130 BUSINESS COMMUNICATIONS (3-0-3) OR		ARV 110	_____	_____	_____
ENG 170 BUSINESS COMMUNICATIONS (3-0-3)		ARV 217	_____	_____	_____
ARV 110 COMPUTER GRAPHICS (3-0-3)					
ARV 217 COMPUTER IMAGERY (3-0-3)					
ARV 219 MULTIMEDIA TECHNIQUES (3-0-3)		<b>2<sup>ND</sup> SEM</b>	<b>(SHC)</b>	<b>TERM</b>	<b>GRADE</b>
ARV 220 MULTIMEDIA PRESENTATIONS (3-0-3)		BUS 130		OR	
CGC 110 ELECTRONIC PUBLISHING (3-0-3)		ENG 170	_____	_____	_____
		ARV 219	_____	_____	_____
		ARV 220	_____	_____	_____
		CGC 110	_____	_____	_____
<b>TOTAL</b>	<b>27 SHC</b>				

### Multimedia Web Graphics Design

**Program Description:** The Multimedia Web Graphics Design Program is designed to train individuals to prepare multimedia presentations with desktop publishing. Graduates will be able to work independently, as a team member or as a multimedia specialist.



# DENMARK TECHNICAL COLLEGE



## CERTIFICATE: APPLIED SCIENCE IN NURSE AIDE ASSISTANT (27 SHC)

Student must be a high school graduate.

Student Name: \_\_\_\_\_  
 Student ID: \_\_\_\_\_  
 Semester: \_\_\_\_\_

PLACEMENT	RDG _____	MAT _____	ENG _____			
<i>If the required placement test scores are not met for this major, the student is required to take the course as indicated.</i>						
<b>COURSE</b>	<b>LECT</b>	<b>LAB</b>	<b>SHC</b>	<b>SEMESTER TAKEN</b>	<b>GRADE</b>	
RDG _____	_____	_____	_____	_____	_____	_____
MAT _____	_____	_____	_____	_____	_____	_____
ENG _____	_____	_____	_____	_____	_____	_____

<b>NATURAL SCIENCES/MATHEMATICS (NSM)</b>	<b>4 SHC</b>	<b>1<sup>ST</sup> SEM</b>	<b>(SHC)</b>	<b>TERM</b>	<b>GRADE</b>
BIO 112 BASIC ANATOMY & PHYSIOLOGY (3-3-4)		AHS 102	_____	_____	_____
		AHS 108	_____	_____	_____
<b>OTHER HOURS FOR GRADUATION</b>	<b>3 SHC</b>	AHS 120	_____	_____	_____
AOT 105 KEYBOARDING (3-0-3)		AOT 105	_____	_____	_____
		BIO 112	_____	_____	_____
<b>REQUIRED CORE SUBJECT AREAS</b>	<b>20 SHC</b>	<b>2<sup>ND</sup> SEM</b>	<b>(SHC)</b>	<b>TERM</b>	<b>GRADE</b>
AHS 102 MEDICAL TERMINOLOGY (3-0-3)		AHS 116	_____	_____	_____
AHS 108 NUTRITION (1-6-3)		AHS 117	_____	_____	_____
AHS 120 RESPONDING TO EMERGENCIES (1-3-2)		AHS 151	_____	_____	_____
AHS 116 PATIENT CARE RELATIONS (1-6-3)					
AHS 117 THE CARE OF PATIENTS (2-6-4)					
AHS 151 HEALTH CARE PROCEDURES (1-12-5)					
<b>TOTAL 27 SHC</b>					

### Nurse Aide Assistant

**Program Description:** The Nurse Aide Assistant Certificate program prepares students to assist in patient care in hospitals, nursing homes, and home care agencies under the supervision of a Registered Nurse (RN) or Licensed Practical Nurse (LPN). Students who matriculate into this program must have a clear criminal background check, a clear drug screening, and current immunizations to include Hepatitis B, Tuberculin test, and CPR/First Aid Training. Graduates of the program are eligible to apply and then take the National Nurse Aide Assessment Program Examination (NNAAP).



# DENMARK TECHNICAL COLLEGE



## CERTIFICATE: APPLIED SCIENCE IN PLUMBING (17 SHC)

Student Name: \_\_\_\_\_  
 Student ID: \_\_\_\_\_  
 Semester: \_\_\_\_\_

PLACEMENT	RDG _____	MAT _____	ENG _____
<i>If the required placement test scores are not met for this major, the student is required to take the course as indicated.</i>			
<b>COURSE</b>	<b>LECT</b>	<b>LAB</b>	<b>SHC</b>
RDG _____	_____	_____	_____
MAT _____	_____	_____	_____
ENG _____	_____	_____	_____
			<b>SEMESTER TAKEN</b>
			<b>GRADE</b>

<u>REQUIRED CORE SUBJECT AREAS</u>		17 SHC	1 <sup>ST</sup> SEM	(SHC)	TERM	GRADE
BCT 102	FUNDAMENTALS OF BUILDING CONSTRUCTION (2-6-4)		BCT 112	_____	_____	_____
BCT 112	CONSTRUCTION PRINT READING (2-0-2)		BCT 151	_____	_____	_____
BCT 151	INTRODUCTION TO RESIDENTIAL PLUMBING (2-3-3)		BCT 221	_____	_____	_____
BCT 152	RESIDENTIAL PLUMBING (3-6-5)					
BCT 221	CONSTRUCTION BUILDING CODES (3-0-3)		<b>2<sup>ND</sup> SEM</b>	<b>(SHC)</b>	<b>TERM</b>	<b>GRADE</b>
			BCT 102	_____	_____	_____
			BCT 152	_____	_____	_____
	<b>TOTAL 17 SHC</b>					

### Plumbing

**Program Description:** The Plumbing Program provides students with fundamentals skills in plumbing such as installation and repair of general plumbing systems including faucets, commodes, water heaters, drain pipes, and other related fixtures. Students who complete this program can enter the plumbing field as entry level plumbers.



# DENMARK TECHNICAL COLLEGE



## CERTIFICATE OF APPLIED SCIENCE IN PRE-MEDICAL (20 SHC)

Student must be a high school graduate.

Student Name: \_\_\_\_\_  
 Student ID: \_\_\_\_\_  
 Semester: \_\_\_\_\_

PLACEMENT	RDG _____	MAT _____	ENG _____
<i>If the required placement test scores are not met for this major, the student is required to take the course as indicated.</i>			
<b>COURSE</b>	<b>LECT</b>	<b>LAB</b>	<b>SHC</b>
RDG _____	_____	_____	_____
MAT _____	_____	_____	_____
ENG _____	_____	_____	_____

<b>HUMANITIES/FINE ARTS</b>	<b>3 SHC</b>	<b>1<sup>ST</sup> SEM</b>	<b>(SHC)</b>	<b>TERM</b>	<b>GRADE</b>
ENG 101 ENGLISH COMPOSITION I (3-0-3)*		BIO 210	_____	_____	_____
		ENG 101	_____	_____	_____
		MAT 155	_____	_____	_____
<b>NATURAL SCIENCES/MATHEMATICS (NSM)</b>	<b>14 SHC</b>	<b>2<sup>ND</sup> SEM</b>	<b>(SHC)</b>	<b>TERM</b>	<b>GRADE</b>
BIO 210 ANATOMY AND PHYSIOLOGY I (3-3-4)		BIO 211	_____	_____	_____
BIO 211 ANATOMY AND PHYSIOLOGY II (3-3-4)		PSY 201	_____	_____	_____
MAT 155 CONTEMPORARY MATHEMATICS* (3-0-3)		CPT 101	_____	_____	_____
CPT 101 INTRODUCTION TO COMPUTERS(3-0-3)					
<b>SOCIAL/BEHAVIORAL SCIENCES (SBS)</b>	<b>3 SHC</b>				
PSY 201 GENERAL PSYCHOLOGY (3-0-3)					
<b>TOTAL 20 SHC</b>					

\*MAT 110 can be substituted for college transfer

### Pre-Medical

**Program Description:** If you want a career in the medical field, then this certificate program is a starter for you. After completing the Pre-Medical Certificate Program, you will be given the opportunity to apply to the Practical Nursing Diploma program or enroll in the Associate of Science Program.



# DENMARK TECHNICAL COLLEGE



## CERTIFICATE: APPLIED SCIENCE IN WELDING (17 SHC)

Student Name: \_\_\_\_\_  
 Student ID: \_\_\_\_\_  
 Semester: \_\_\_\_\_

PLACEMENT	RDG _____	MAT _____	ENG _____
<i>If the required placement test scores are not met for this major, the student is required to take the course as indicated.</i>			
<b>COURSE</b>	<b>LECT</b>	<b>LAB</b>	<b>SHC</b>
RDG _____	_____	_____	_____
MAT _____	_____	_____	_____
ENG _____	_____	_____	_____
			<b>SEMESTER TAKEN</b>
			<b>GRADE</b>

### REQUIRED CORE SUBJECT AREAS

	<b>17 SHC</b>	<b>1<sup>ST</sup> SEM</b>	<b>(SHC)</b>	<b>TERM</b>	<b>GRADE</b>
WLD 102 INTRODUCTION TO WELDING (2-0-2)		WLD 102	_____	_____	_____
WLD 104 GAS WELDING AND CUTTING (1-3-2)		WLD 104	_____	_____	_____
WLD 103 PRINT READING I (1-0-1)		WLD 106	_____	_____	_____
WLD 106 GAS AND ARC WELDING (3-3-4)					
WLD 108 GAS METAL ARC WELDING (3-3-4)					
WLD 111 ARC WELDING I (3-3-4)					

### ELECTIVES:

WLD 113 ARC WELDING II (3-3-4)		<b>2<sup>ND</sup> SEM</b>	<b>(SHC)</b>	<b>TERM</b>	<b>GRADE</b>
WLD 136 ADVANCED INERT GAS WELDING (1-3-2)		WLD 103	_____	_____	_____
WLD 141 WELD QUALITY (1-3-2)		WLD 108	_____	_____	_____
WLD 154 PIPE FITTING AND WELDING (3-3-4)		WLD 111	_____	_____	_____

**TOTAL 17 SHC**

## **Welding**

**Program Description:** The Welding Program provides practical hands-on skills and practical experiences in operating welding equipment. Graduates may find employment in gas and arc welding, arc welding, or print reading.



# DENMARK TECHNICAL COLLEGE



## CERTIFICATE: APPLIED SCIENCE IN WORD PROCESSING (18 SHC)

Student must be a high school graduate.

Student Name: \_\_\_\_\_

Student ID: \_\_\_\_\_

Semester: \_\_\_\_\_

PLACEMENT RDG \_\_\_\_\_ MAT \_\_\_\_\_ ENG \_\_\_\_\_  
 If the required placement test scores are not met for this major, the student is required to take the course as indicated.

COURSE	LECT	LAB	SHC	SEMESTER TAKEN	GRADE
RDG _____	_____	_____	_____	_____	_____
MAT _____	_____	_____	_____	_____	_____
ENG _____	_____	_____	_____	_____	_____

### REQUIRED CORE SUBJECT AREAS

	18 SHC	1 <sup>ST</sup> SEM (SHC)	TERM	GRADE
CPT 101 INTRODUCTION TO COMPUTERS (3-0-3)		CPT 101 _____	_____	_____
AOT 105 KEYBOARDING (3-0-3)		AOT 105 _____	_____	_____
AOT 110 DOCUMENT FORMATTING (3-0-3)				
AOT 141 OFFICE PROCEDURES I (3-0-3)				
AOT 163 WORD PROCESSING (3-0-3)		2 <sup>ND</sup> SEM (SHC)	TERM	GRADE
AOT 167 INFORMATION PROCESSING APPLICATIONS (3-0-3)		AOT 110 _____	_____	_____
		AOT 141 _____	_____	_____
		AOT 163 _____	_____	_____
<b>TOTAL</b>	<b>18 SHC</b>			
		3 <sup>RD</sup> SEM (SHC)	TERM	GRADE
		AOT 167 _____	_____	_____

### Word Processing

**Program Description:** The Word Processing Program is designed to provide training in word processing. Students who complete this certificate program may seek employment as entry level word processing clerks, typists, or office clerks.



# Course Descriptions

## **ACC 101 Principles I 3 CR**

This course introduces basic accounting procedures for analyzing, recording, and summarizing financial transactions, adjusting and closing the financial records at the end of the accounting cycle, and preparing financial records at the end of the accounting cycle, and preparing financial statements.

## **ACC 102 Accounting Principles II 3 CR**

This course emphasizes managerial accounting theory and practice in basic accounting and procedures for cost accounting, budgeting, cost-volume analysis, and financial statement analysis.

Prerequisite: ACC 101

## **ACC 110 Accounting for Entrepreneurs 3CR**

A study of the principles of financial accounting, managerial accounting, taxes, bookkeeping, accounting systems, and record keeping essential to starting and operating a new business enterprise.

## **ACC 124 Individual Tax Procedures 3 CR**

This course is a study of the basic income tax structure from the standpoint of the individual, including the preparation of individual income tax returns.

## **ACC 242 Small Business Software 1 CR**

This course includes the use of current integrated software suitable for small business operations.

## **ACC 245 Accounting Applications 3 CR**

This course introduces microcomputer accounting using data base software and/or electronic spreadsheets.

Prerequisite: ACC 101

## **AHS 102 Medical Terminology 3 CR**

This course covers medical terms, including roots, prefixes, and suffixes, with emphasis on spelling, definition, and pronunciation.

## **AHS 108 Nutrition 3 CR**

This course is a study of nutrition and diet therapy as related to healthcare.

## **AHS 116 Patient Care Relations 3 CR**

This course includes a study of the psychological and emotional effect of illness, hospitalization and recuperation upon the patient, others, and healthcare providers.

## **AHS 117 Nurse Assisting 4 CR**

This course includes a study of concepts required to assist in the care of patients.

## **AHS 120 Responding to Emergencies 2 CR**

The course is a study of emergency care procedures utilizing first aid and CPR principles and recognizes the need for more contact hours for teaching this course.

## **AHS 151 Health Care Procedures 5 CR**

This course includes a study of fundamental health skills related to the patient/client in all of life's stages.

## **AOT 105 Keyboarding 3 CR**

This course focuses on the mastery of keyboarding.

## **AOT 110 Document Formatting 3 CR**

This course emphasizes speed, accuracy and developing document formatting skills using keyboarding competencies.

Prerequisite: AOT 105

## **AOT 120 Introduction to Machine Transcription 3 CR**

This is an introductory machine transcription course which is designed to provide experience in transcribing documents from dictation equipment.

Prerequisite: AOT 105 and AOT 163

## **AOT 133 Professional Development 3 CR**

This course emphasizes development of personal and professional skills required of an office worker in areas such as projecting a professional image, job seeking skills, office etiquette, ethics and time and stress management.

## **AOT 134 Office Communications 3 CR**

This course develops proficiency in proofreading and other specialized applications of communications in the office environment.

Prerequisite: AOT 105

## **AOT 135 Data Entry 3 CR**

This course introduces data entry techniques.

## **AOT 141 Office Procedures I 3 CR**

This is an introductory course to a variety of office procedures and tasks using business equipment, systems and procedures.

## **AOT 163 Word Processing 3 CR**

This course introduces the concepts of word processing.

Prerequisite: AOT 105

**AOT 167 Information Processing Applications**                      **3 CR**  
This course emphasizes applications and features of information processing software.  
Prerequisites: AOT 105 and AOT 163

**AOT 210 Document Production**                                      **3 CR**  
This course emphasizes the production of documents found in typical business offices. The major focus is on productivity and excellence in document production.  
Prerequisite: AOT 110

**AOT 254 Office Simulation**    **3 CR**  
This course integrates a wide variety of skills and knowledge through practical work experiences in a simulated office environment.

**ART 101 Art History and Appreciation**                              **3 CR**  
This is an introductory course to the history and appreciation of art, including the elements and principles of the visual arts.

**ARV 110 Computer Graphics I**    **3 CR**  
This course is a study of the fundamentals of Computer Assisted Graphic Design.

**ARV 217 Computer Imagery**    **3 CR**  
This course covers the use of the computer as a tool to create images that addresses the needs of the visual communication field.

**ARV 219 Multimedia Techniques**    **3 CR**  
This course is an introduction to the production of current audio-visual media.

**ARV 220 Multimedia Presentations**                                      **3 CR**  
This course covers a study of multimedia techniques culminating in a presentation.

**BAF 201 Principles of Finance**    **3 CR**  
This is an introductory course to the field of finance. The monetary and credit system are examined along with how the demand for funds is met in both the public and private sector.

**BAR 101 Barbering Fundamentals**    **3 CR**  
This course is an introduction to the barbering profession, including the care and use of equipment and implements.

**BAR 115 Facial Care**    **3 CR**  
This course is a study of the anatomy of the head, face and neck and the proper care and treatment of the face, including shaving techniques.

**BAR 120 Shampoo and Conditioners**                                      **3 CR**  
This course is a study of shampoos and conditioners and their uses in relationship to hair structure and texture.

**BAR 130 Fundamentals of Hair Cutting**                                      **3 CR**  
This course is a study of fundamentals of haircutting including the use of the clippers, shears, and razors.

**BAR 135 Hair and Scalp Care I**    **3 CR**  
This course is a study of various disorders of the skin, hair and scalp.

**BAR 235 Hair and Scalp Care II**    **3 CR**  
This course is a study of the various methods of treating disorders of the hair and scalp.

**BAR 240 Chemical Processing of Hair**                                      **3 CR**  
This course is a study of the techniques used in the chemical processing of the hair, including the action of chemical products, safety precautions, and the use of various implements.

**BAR 250 Barber Shop Management**                                      **3 CR**  
This course is a study of the method used in operating an effective barber shop, including facilities and equipment management, record keeping, advertising, policies and procedures.

**BAR 255 Barbering Clinical Practice I**                                      **4 CR**  
This course is an integration of barbering skills in a simulated salon environment.

**BAR 256 Barbering Clinical Practice II**                                      **6 CR**  
This course is an integration of barbering skills in a simulated salon environment to provide additional practical hours in skill development.

**BCT 101 Introduction to Building Construction**                              **5 CR**  
This course is an introduction to residential and light commercial construction, construction terms, tools of the trade and their safe use.

**BCT 102 Fundamentals of Building Construction**                              **4 CR**  
This course is a study of framing for residential and light commercial buildings.

**BCT 103 Construction Site Layout**    **4 CR**  
This course covers location and layout of building corners, elevation, and the use of appropriate tools.

**BCT 105 Tool Usage and Safety** 4 CR

This course covers location and layout of building corners, elevation, and the use of appropriate tools.

**BCT 112 Construction Print Reading** 2 CR

This course is a study of residential and light commercial prints.

**BCT 138 Residential Wiring** 5 CR

This course is a study of wiring methods and practices used in residential application.

**BCT 151 Introduction to Residential Plumbing** 3 CR

This course covers plumbing theory as it relates to residential construction.

**BCT 152 Residential Plumbing** 5 CR

This course covers a study of the plumbing methods and practices used in residential application.

**BCT 221 Construction Building Code** 3 CR

This course is a study of local, state, and national building code requirements as they apply to residential and commercial construction.

**BIO 101 Biological Science I** 4 CR

This course is the first of a sequence introducing biology. Topics include the scientific method, basic biochemistry, cell structure and function, cell physiology, cell reproduction and development, Mendelian genetics, population genetics, natural selection, evolution, and ecology.

**BIO 102 Biological Science II** 4 CR

This is a continuation of introductory biology which includes classification of organisms and structural and functional considerations of all kingdoms (particularly major phyla as well as viruses). Vertebrate animals and vascular plants are emphasized.

**BIO 112 Basic Anatomy & Physiology** 4 CR

This course is a basic integrated study of the structure and function of the human body.

**BIO 210 Human Anatomy and Physiology I** 4 CR

This course is the first in a sequence of courses, including an intensive coverage of the body as an integrated whole. All body systems are studied.

**BIO 211 Human Anatomy and Physiology II** 4 CR

This course is a continuation of a sequence of courses, including coverage of the body as an integrated whole. All body systems are studied.

BIO 225

**BIO 225 Microbiology** 4 CR

This is a detailed study of microbiology as it relates to infection and the disease processes of the body. Topics include immunity, epidemiology, medically important microorganisms, and diagnostic procedures for identification.

**BKP 120 Bakeshop Production** 3 CR

This course covers the applications of fundamentals and principles of basic baking. Emphasis is placed on skill development for quality commercial bakery products.

**BUS 101 Introduction to Business** 3 CR

This is a study of the nature of business activity in relation to the economic society, including how a business is owned, organized, managed and controlled.

**BUS 115 Introduction to Entrepreneurship** 3 CR

This course is an introduction to the concept of entrepreneurship and the exploration of traditional and nontraditional business ventures. Students will identify their entrepreneurship type, and brainstorm personal interests, goals, and talents for the development of the business idea.

**BUS 120 Business Plan** 3 CR

This course involves the development of a sound business plan for a small business idea. Students will assess the strengths and weaknesses of a business idea, develop a marketing plan, prepare financial projections, and, identify and evaluate potential funding sources for their business.

**BUS 121 Business Law I** 3 CR

This course is a study of legal procedures, law and society, classifications and systems of law, the tribunals administering justice and their actions, contracts, sales, transfer of titles, rights and duties of the parties, conditions and warranties.

**BUS 130 Business Communications** 3 CR

This course covers the application of communication skills to situations routinely encountered in business environments.

**BUS 210 Introduction to E-Commerce in Business** 3 CR

This course is the study of electronic commerce and the operations and applications from the business perspective. Emphasis is placed on business concepts and strategies and how they apply to the process of buying and selling goods and services online.

**BUS 240 Business Statistics** 3 CR

This course is a study of statistical methods related to business, including descriptive statistics, probability, binomial and normal distributions, and hypothesis testing.

**CGC 110 Electronic Publishing** **3 CR**  
This is an introductory course to the Fundamentals of Electronic Publishing.

**CHM 105 General Organic & Biochemistry** **3 CR**  
This course is a study of the fundamental principles of chemistry, including atomic and molecular structure, common substances and reactions, introduction to organic chemistry and biochemistry.

**CHM 110 College Chemistry I** **4 CR**  
This is the first course in a sequence which includes the following topics: atomic and molecular structure, nomenclature and equations, properties, reactions and states of matter, stoichiometry, gas laws, solutions and equilibria.

**CHM 111 College Chemistry II** **4 CR**  
This course is a continuation of the study of atomic and molecular structure, nomenclature and equations, properties, reactions and states of matter, stoichiometry, gas laws, solutions, and equilibria.

Prerequisite: CHM 110

**CIM 131 Computer Integrated** **4 CR**  
This course is a comprehensive overview of the total manufacturing operation.

**COL 101 College Orientation** **1 CR**  
This course may include selected topics such as career planning, study skills, stress management, tutoring, group guidance, and other subjects to facilitate student success.

**COL 103 College Skills** **3 CR**  
This course includes selected topics such as career planning, study skills, stress management, tutoring, group guidance, and other subjects to facilitate student success.

**COL 106 Skills for College** **1 CR**  
This course is designed to enhance the skills of entering freshmen to facilitate their ability to succeed in the college environment. The course topics include student/instructor expectations, time management, library/computer orientation, listening/note-taking, studying for success, learning styles/personality types, and diversity and differences on campus.

**COL 111 E-Learning Success** **1 CR**  
This course provides an introduction to the online learning management system, basic computer skills, information literacy, time management skills, and learning resources to enhance student success in an electronic learning environment.

**COS 101 Fundamentals of Cosmetology** **3 CR**  
This is an introductory course to the fundamentals of professional ethics, hygiene, good grooming and salesmanship as they relate to the practice of the salon.

**COS 106 Facials and Make-up** **3 CR**  
This is an introductory course of the procedures for various skin treatments, including anatomy, chemistry, and safety.

**COS 108 Nail Care** **3 CR**  
This course is a study of nail structure and manicuring techniques, including anatomy, chemistry, and safety.

**COS 110 Scalp and Hair Care** **3 CR**  
This course is a study of the structure and composition of hair, including the analysis and treatment of certain conditions of the hair and scalp.

**COS 114 Hair Shaping** **4 CR**  
This course is an introductory course to the techniques of hair-shaping. Emphasis is given to the correct use and safety of implements, proper hair sectioning, and various techniques used in hair design in relationship to body structure.

**COS 116 Hair Styling I** **4 CR**  
This course is a study of the fundamentals of hair design, including principles, techniques, safety precautions, and chemistry.

**COS 201 Salon Management** **3 CR**  
This course is a study of salon management, including rules, regulations, and codes governing the practice of Cosmetology.

**COS 206 Chemical Hair Waving** **3 CR**  
This course is a study of methods of permanently waving the hair, including product, chemistry, and safety.

**COS 208 Chemical Hair Relaxing** **3 CR**  
This course is a study of methods of chemically relaxing the basic structure of hair, including product, chemistry, and safety.

**COS 210 Hair Coloring** **3 CR**  
This course is a study of the science and art of coloring the hair, including methods, procedures, safety precautions, and chemistry.

**COS 212 Hair Lightening** **3 CR**  
This course is a study of the lightening of hair, including methods, procedures, safety precautions and chemistry.

**COS 220 Cosmetology Clinical Practice I** **3 CR**  
This course is an integration of cosmetology skills in a simulated salon environment.

**COS 222 Cosmetology Clinical Practice II** **3 CR**  
This course is an integration of cosmetology skills in a simulated salon environment.

**CPE 110 Computer Language** **3 CR**  
This course covers a high-level computer language, programming concepts, and applications.

**CPT 101 Introduction to Computers** **3 CR**  
This course covers basic computer history, theory and applications, including word processing, spreadsheet, data bases, and the operating system.

**CPT 104 Introduction to Information Technology** **3 CR**  
This course is a study of basic computer components and peripherals, basic computer functions, i/o concepts, storage concepts, data communications, distributed processing, and programming language concepts.

**CPT 115 COBOL Programming I** **3 CR**  
This course introduces the nature and use of the common business-oriented language – COBOL.  
Prerequisite: CPT 170

**CPT 117 Introduction to Online Learning** **1 CR**  
This course will familiarize students with the online learning environment. Topics will include using course management tools, conducting on-line research effectively, and troubleshooting technical problems.

**CPT 141 Consumer Applications II** **1 CR**  
This course is an introduction to the basic concepts and techniques of microcomputer application software for personal computing needs. Topics include compiling and storing information, letter writing, and desktop publishing fundamentals for newsletters and bulletins.

**CPT 168 Programming Logic and Design** **3 CR**  
This course examines problem-solving techniques applied to program design. Topics include a variety of documentation techniques as means of solution presentation.  
Prerequisite: CPT 101

**CPT 170 Microcomputer Applications** **3 CR**  
This course introduces microcomputer applications software, including word processing, databases, spread-sheets, graphs, and their integration.

**CPT 174 Microcomputer Spreadsheets** **3 CR**  
This course introduces the use of spreadsheet software on the microcomputer. Topics include creating, editing, using formulas, using functions, and producing graphs.

**CPT 212 Visual Basic Programming** **3 CR**  
This course focuses on Windows programming using Visual Basic to create graphical user interfaces. The course examines forms, controls, graphical controls, loops, control arrays, database and traditional file processing, and application class scheduling.

**CPT 215 COBOL Programming II** **3 CR**  
This course emphasizes file maintenance and tables using advanced concepts in COBOL.  
Prerequisite: CPT 115

**CPT 234 C Programming I** **3 CR**  
This introductory course in C programming emphasizes the designing, coding, testing and debugging of C programs involving input/output operations, data types, storage classes, decision structures, looping, functions, preprocessor directives, arrays and simple pointers.  
Prerequisite: CPT 168

**CPT 235 C Programming II** **3CR**  
This course is a study of using advanced techniques for programming with the C language, including structures, advanced pointers, string manipulations, bit operations, and C Library Functions.  
Prerequisite: CPT 234

**CPT 242 Database** **3 CR**  
This course introduces data base models and the fundamentals of data base design. Topics include data base structures, data base processing, and application programs which access a data base.  
Prerequisite: CPT 170

**CPT 257 Operating Systems** **3 CR**  
This course examines the theory of operating systems and how the operating system theory is implemented in current operating systems.  
Prerequisite: CPT 170

**CPT 264 Systems and Procedures** **3 CR**  
This course covers the techniques of system analysis, design, development and implementation.  
Prerequisite: CPT 168

**CPT 282 Information Systems Security** 3 CR  
This course is the study of the protection of information and equipment in computer systems. Topics include all aspects of systems protection, including physical security, hardware, software and communications security. Addresses technical, legal and ethical issues.

**CRJ 101 Introduction to Criminal Justice** 3 CR  
This course includes an overview of the functions and responsibilities of agencies involved in the administration of justice to include police organizations, court systems, correctional systems, and juvenile justice agencies.

**CRJ 102 Introduction to Security** 3 CR  
This course includes an introduction to the philosophy and application of security. The protection of personnel, facilities, and other assets as well as administrative, legal, and technical problems of loss prevention and control are analyzed.

**CRJ 115 Criminal Law I** 3 CR  
This course covers the development of criminal law in America. The course also covers the basic elements of specific criminal offenses, criminal defenses, and various legal principles upon which criminal law is established.

**CRJ 120 Constitutional Law** 3 CR  
This course covers the analysis of the historical development of the U.S. Constitution and the relationship of rights contained therein to the State and to the individual. The application of the Bill of Rights to Federal and State Systems is examined.

**CRJ 125 Criminology** 3 CR  
This course is a study of the various theories of criminal causation and control, the identification of criminal typologies, and the reaction of society to crime and criminals.

**CRJ 130 Police Administration** 3 CR  
This course is the study of the organization, administration, and management of law enforcement agencies.

**CRJ 145 Juvenile Delinquency** 3 CR  
This course includes a survey of the sociological, biological, and psychological theories involved in juvenile delinquency, modern trends in prevention, and treatment.

**CRJ 222 Ethics in Criminal Justice** 3 CR  
This course is a study of the application of ethical theories to the criminal justice profession.

**CRJ 230 Criminal Investigation I** 3 CR  
This course is a study of the fundamentals of interviewing witnesses and interrogating suspects. Different methods of conducting crime scene searches and methods used in

investigating various crimes are studied in this course.

**CRJ 236 Criminal Evidence** 3 CR  
This course is a study of the established rules of evidence from arrest to release in the administration of criminal justice.

**CRJ 242 Correctional Systems** 3 CR  
This course is an introduction to aspects of the correctional function in criminal justice, including organization, process, procedures, and clients incarcerated and on conditional release.

**CRJ 244 Probation, Pardon and Parole** 3 CR  
This course is a study of the development, organization, operation, and results of systems of probation and parole as substitutes for incarceration. The philosophy and methods of treatment of offenders and the operational problems and activities of the probation/parole officer are studied in the course.

**CRJ 246 Special Problems in CRJ** 3 CR  
This course examines issues within the criminal justice community/ profession which are of special concern to students and practitioners because of such elements as timelines, local concern, legalistics, and/or other dynamic factors of such issues.

**CUL 101 Principles of Food Production I** 3 CR  
This is an introductory course in food preparation, including kitchen safety and sanitation. Emphasis is placed on the practical presentation of simple foods, terminology and techniques of preparing nutritious, quality food.

**CUL 102 Principles of Food Production II** 3 CR  
This course is a study of the preparation of food categories such as sauces, salads, baked products, meats, poultry, vegetables, etc. Special attention is given to presentation and garnishing.

**CUL 103 Nutrition** 3 CR  
This course is a study of general nutritional needs of the life cycle, including carbohydrates, proteins, fats, vitamins, and minerals. Practical applications for the food service professional are emphasized.

**CUL 104 Introduction to Culinary Arts** 3 CR  
This survey course introduces students to the world of culinary arts. Students will be exposed to culinary history, culinary organizations and branches of the culinary field that offer different opportunities in the profession.

**CUL 155 Hospitality Sanitation** 3 CR  
This course is a study of local, state and national regulations governing sanitary food handling practices.

**CUL 225 Buffet Organization** 4 CR  
This course is a study of the principles and applications of how to plan, organize, and setup a complete buffet. Topics include forced meats, ice carvings, and garnishes.

**CUL 235 Menu Planning** 3 CR  
This course is a study of the principles of menu planning and design with application of basic nutrition, organization plans, and record-keeping techniques.

**ECD 101 Introduction to Early Childhood** 3 CR  
This course includes an overview of the history, theories, and curriculum models of early education. Emphasis is on current trends/issues, with a review of state/national regulations. Characteristics of quality programs and professional teachers are explored in the course.

**ECD 102 Growth and Development I** 3 CR  
This course is an extensive study of philosophies and theories of growth and development of infants/toddlers. Focus is on “total” development of the child, with emphasis on physical, social, emotional, cognitive and nutritional areas. Developmental tasks and appropriate activities are explored in the course.

**ECD 105 Guidance/Classroom Management** 3 CR  
This course is an overview of developmentally appropriate, effective guidance and classroom management techniques for the teacher of young children. A positive proactive approach is stressed in the course.

**ECD 107 Exceptional Children** 3 CR  
This course includes an overview of special needs children and their families. Emphasis is on the prevalence of disorders, treatment modalities, community resources serving exceptional children, the teacher’s role in mainstreaming and early identification, and on federal legislation affecting exceptional children.

**ECD 108 Family and Community Relations** 3 CR  
This course is an overview of techniques and materials for promoting effective family/program partnerships to foster positive child development. Emphasis is on availability and accessibility of community resources and on developing appropriate communication skills.

**ECD 109 Administration and Supervision** 3 CR  
This course is a study of the role and responsibilities of an early childhood administrator. Special focus is on program monetary matter, space management, curriculum, health and food services, and relations among the public, staff, and parents.

**ECD 131 Language Arts** 3 CR  
This course provides an overview of age appropriate developmental language arts activities. The curriculum consists of four broad inter related areas like speaking, listening, writing, and reading of young children. This also includes planning, implementation, and evaluation of media, methods, techniques, and equipment. Emphasis on activities connected to the diverse backgrounds of children are included.

**ECD 132 Creative Experience** 3 CR  
In this course the importance of creativity and independence in creative expression are stressed. A variety of age-appropriate media, methods, techniques and equipment are utilized. Students plan, implement, and evaluate instructional activities.

**ECD 133 Science and Math Concepts** 3 CR  
This course includes an overview of pre-number and science concepts developmentally appropriate for young children. Emphasis is on the planning, implementation, and evaluation of developmentally appropriate activities utilizing a variety of methods and materials.

**ECD 135 Health, Safety and Nutrition** 3 CR  
This course covers a review of health and safety practices recommended for childcare and includes information on common diseases and health problems. Certification preparation is provided in pediatric safety, CPR and first aid. Guidelines and information on nutrition and developmentally appropriate activities also are studied in the course.

**ECD 201 Principles of Ethics and Leadership in Early Care and Education** 3 CR  
This course includes an overview of historical views on leadership, and issues and challenges of leadership in early care and education. Emphasis is on current trends and issues. This course also includes a review of ethical principles as they relate to children, families, colleagues, and the community and society. Characteristics of professional teachers in early care and education are also explored in the course.

**ECD 203 Growth and Development II** 3 CR  
This course is an in-depth study of preschool children growing and developing in today’s world. Focus is on “total” development of the child with emphasis on physical, social, emotional, cognitive and nutritional areas of development. Developmental tasks and appropriate activities are explored in the course.  
Prerequisite ECD 102

**ECD 237 Methods and Materials** 3 CR  
This course includes an overview of developmentally-appropriate methods and materials for planning, implementing, and evaluating environments. Emphasis is on integrating divergent activities in each curriculum area.

**ECD 243 Supervised Field Experience I** **3 CR**  
This course includes emphasis on planning, implementing, and evaluating schedule programs, age appropriate methods, materials, activities and environments of early childhood principles and practices.

**ECO 210 Macroeconomics** **3 CR**  
This course includes the study of fundamental principles and policies of a modern economy to include markets and prices, national income accounting, cycles, employment theory and fiscal policy, banking and monetary controls, and the government's role in economic decisions and growth.

**ECO 211 Microeconomics** **3 CR**  
This course includes the study of the behavior of house-holds and firms, including supply and demand, elasticity, price/input in different market structures, pricing of resources, regulations, and comparative advantage and trade.

**EEM 165 Residential/Commercial Wiring** **4 CR**  
This course is a study of wiring methods and practices used in Residential and Commercial applications.

**EEM 243 Introduction to Computer Servicing** **3 CR**  
This course is an introduction to the fundamental operation and capabilities of peripheral devices. Topics such as input/output standards and interfacing to minicomputers are covered.

**EET 113 Electrical Circuits I** **4 CR**  
This course is a study of direct and altering currents, covering resistance and impedance in series, parallel, and series-parallel circuits using Ohm's law, Kirchhoff's laws, and basic circuit theorems. Circuits are analyzed using mathematics and verified using electrical instruments.

**EET 114 Electrical Circuits II** **4 CR**  
This course is a continuation in electrical circuits, including advanced network theorems. Circuits are analyzed using mathematics and verified using electrical instruments.

**EET 131 Active Devices** **4 CR**  
This course is a study of semiconductor theory and principles, diodes and diode circuits, transistors, transistor circuits, and other components. Circuits are modeled, constructed and tested.

**EET 140 Digital Electronics** **3 CR**  
This course is a study of the fundamentals of logic theory and circuits. Circuits are analyzed mathematically and tested using simulation software and electronic instruments.

**EET 145 Digital Circuits** **4 CR**  
This course is a study of number systems, basic logic gates, Boolean Algebra, logic optimization, flip-flops, counters and registers. Circuits are modeled, constructed, and tested.

**EET 227 Electrical Machinery** **3 CR**  
This course is a study of AC and DC electromechanical energy conversion devices, theory, applications and control. Devices are tested and verified using electrical instruments.

**EET 231 Industrial Electronics** **4 CR**  
This course is a survey of topics related to industrial application of electronic devices and circuits. The course covers switches, DC and AC motor controls, sensors and transducers, open and closed loop control circuits and voltage converting interfaces. Circuits are constructed and tested.

**EET 233 Control Systems** **4 CR**  
This course is a study of open and closed loop control system operations, elements, and applications. Various industrial model programmable logic controllers are used to simulate application to flexible manufacturing systems.

**EET 251 Microprocessor Fundamentals** **4 CR**  
This course is a study of binary numbers, microprocess or operation, architecture, instruction sets, and interfacing with operating systems; and applications in control, data acquisition, and data reduction and analysis. Programs are written and tested.

**EGR 104 Engineering Technology Foundations** **3 CR**  
This problem-based course introduces the student to fundamental concepts of electrical, mechanical, thermal, fluids, optical, and material systems related to engineering technology. Workplace readiness skills such as laboratory safety, communications, and teamwork are integrated into the course.

**EGR 130 Engineering Technology Applications and Programming** **3 CR**  
This course covers the development and use of computer programs to solve engineering technology problems.

**EGR 194 Statics and Strength Materials** **3 CR**  
This course covers external and internal forces in structures and/or machines, including conditions of equilibrium, systems of force, moments of inertia and friction. It also covers the stress/strain relationship in materials.

**EGT 151 Introduction to CAD** **3 CR**  
This course covers the operation of a computer aided drafting system. The course includes interaction with a CAD station to produce technical drawings.



**ELT 109 Introduction to Electronic Servicing 4 CR**

This is an introductory course in electronic servicing, emphasizing servicing and shop procedures.

**ELT 201 Electronic Systems 4 CR**

This course is a study of combining individual circuits or combinations of circuits into a functioning electronic device or system to perform a specific function or series of functions.

**ELT 202 Servicing Techniques 2 CR**

This course is a study of practical experience in the servicing of electronic equipment, including working in a service shop environment or situation.

**ELT 206 Advanced Servicing Techniques 3 CR**

This course includes troubleshooting and servicing a variety of types of electronic equipment. Emphasis is placed on circuits and function in application.

**ELT 229 Microcomputer Repair 3 CR**

This course includes servicing of popular microcomputers, disk drives, modems, and other peripheral devices

**ENG 032 Developmental English 3 CR**

This course is an intensive review of grammar and usage; mechanics of punctuation, spelling, and capitalization; sentence structure; and writing, editing, and revising are emphasized in this course along with a study of different models of writing for a variety of rhetorical situations.

**ENG 101 English Composition I 3 CR**

This is a (college transfer) course in which the following topics are presented: a study of composition in conjunction with appropriate literary selections, with frequent theme assignments to reinforce effective writing. A review of standard usage and the basic techniques of research are also presented.

**ENG 102 English Composition II 3 CR**

This is a (college transfer) course in which the following topics are presented: development of writing skills through logical organization, effective style, literary analysis and research. An introduction to literary genre is also included.

**ENG 160 Technical Communications 3 CR**

This course is a study of various technical communications, such as definitions, processes, instructions, descriptions, and technical reports.

**ENG 170 Business Communications 3 CR**

This course presents a comprehensive survey of business English usage and communication skills.

**ENG 201 American Literature I 3 CR**

This course is a study of American literature from the Colonial Period to the Civil War.

**ENG 202 American Literature II 3 CR**

This course is a study of American literature from the Civil War to the present.

**ENG 205 English Literature I 3 CR**

This is a (college transfer) course in which the following topics are presented: the study of English literature from the Old English Period to the Romantic Period with emphasis on major writers and periods.

**ENG 206 English Literature II 3 CR**

This is a (college transfer) course in which the following topics are presented: the study of English literature from the Romantic Period to the present with emphasis on major writers and periods.

**ENG 208 World Literature I 3 CR**

This course is a study of masterpieces of world literature in translation from the ancient world to the sixteenth century.

**ENG 209 World Literature II 3 CR**

This course is a study of masterpieces of world literature in translation from the seventeenth century to the present.

**HIS 101 Western Civilization to 1689 3 CR**

This course is a survey of Western Civilization from ancient times to 1689, including the major political, social, economic, and intellectual factors shaping Western cultural tradition.

**HIS 102 Western Civilization Post-1689 3 CR**

This course is a survey of Western Civilization from 1689 to the present, including major political, social, economic, and intellectual factors which shape the modern Western world.

**HIS 115 African-American History 3 CR**

This course is a study of the history of African-Americans, including African heritage, American history, and significant contributions by individuals.

**HIS 201 American History: Discovery to 1877 3 CR**

This course is a survey of U.S. history from discovery to 1877. This course includes political, social, economic, and intellectual developments during this period.

**HIS 202 American History: 1877 to Present 3 CR**

This course is a survey of U.S. history from 1877 to the present. This course includes political, social, economic, and intellectual developments during this period.

**HOS 255 Food Service Management** 3 CR  
This course is a study of operational food service management. Topics include food service operations, layout, and design of restaurants, marketing and sales promotion, food and beverage procedures, and public relations.

**HUS 101 Introduction to Human Services** 3 CR  
This course covers an overview of the field of human services. Role responsibilities, problems, boundaries, and strategies of human service workers are included.

**HUS 112 Services for The Elderly** 2 CR  
This course is a study of services available for older adults (55 and over), including health, social, recreational, financial and educational services.

**HUS 134 Activity Therapy** 3 CR  
This course is a study of activity programs for human services settings. Actual activity projects for various settings are developed by the students.

**HUS 150 Supervised Field Placement I** 3 CR  
This course includes work experience assignments by students in selected Human Services agencies.

**HUS 151 Supervised Field Placement II** 3 CR  
This course includes work assignments in selected Human Service agencies.

**HUS 203 Human Behavior and Social Environment** 3 CR  
This course provides an overview of the human life cycle from birth to old age, focusing on the psychosocial implications for each stage of development. The student will be able to analyze why people interact in society the way they do.

**HUS 204 Introduction to Social Work** 3 CR  
This course includes a general introduction to social work, including history, philosophy, organization, methods, and settings with emphasis on rehabilitation and other community services.

**HUS 205 Gerontology** 3 CR  
This course is a survey of the physical, social, and mental changes that occur as a person ages. The related problems and current programs, designed for people age 55 and over, are studied in the course.

**HUS 206 Death and Dying** 3 CR  
This course is a study of the issues of death and dying. Stages of dying, dealing with dying, dealing with sudden death, and grief are covered in the course.

**HUS 208 Alcohol and Drug Abuse** 3 CR  
This course is a study of the etiology of alcohol and drug abuse, various types of addictive substances, physical, mental and social implications, programs in rehabilitation, and preventive education.

**HUS 209 Case Management** 3 CR  
This course covers accepted methods and strategies for effectively assessing client needs, accessing necessary provider agencies, monitoring and properly documenting service delivery and client welfare.

**HUS 216 Behavior Change Techniques** 3 CR  
This course is a study of major theories associated with individual and group psychotherapy, family therapy, and alcohol, drug, and vocational rehabilitation. Emphasis is placed on the techniques of behavioral change.

**HUS 225 Personal/Interpersonal Adjustment** 3 CR  
This course is the study of self-awareness and interpersonal adjustment and behavior in contemporary society.

**HUS 230 Interviewing Techniques** 3 CR  
This course covers the development of skills necessary for interviews in various organizational settings. Students in Human Services will use these skills and knowledge later on their supervised field placements.

**HUS 231 Counseling Techniques** 3 CR  
This course is a study of a variety of counseling techniques necessary to assist qualified therapists in a variety of therapeutic settings. Students will demonstrate procedures and knowledge of basic counseling theories and techniques related to Human Services.

**HUS 235 Group Dynamics** 3 CR  
This course is an examination of the theory and practice of group dynamics. Emphasis is on the application of the value and use of the group process in specialized settings related to Human Services.

**HUS 237 Crisis Intervention** 3 CR  
This course is a study of the effects of a crisis on people, the methods of intervention, and other use of multiple resources to re-establish individual functioning. Students are required to demonstrate mock crisis activities.

**IDS 102 Personal and Career Assessment** 3 CR  
This course covers an in-depth examination of personal needs, wants, values, strengths, abilities, and interests of an individual. Multiple inventories and evaluation strategies allow the student to evaluate and apply individual data to a personal career choice.

**IDS 104 Career Exploration** **1 CR**  
This course is the study and application of career assessment and planning, job search, and employability skills in preparation for transition in the workplace.

**IDS 105 Career Assessment and Exploration** **1 CR**  
This course provides students opportunities to determine personality types and career interests. Using assessment results, students will explore career opportunities through a variety of media.

**IDS 106 Employment Development Skills** **4 CR**  
This course offers the student a simulated work experience in a lab setting. Students will perform mock interviews and learn the soft skills required for the job market.

**IDS 151 The 21<sup>st</sup> Century Workplace** **3 CR**  
This course examines the fundamental changes which are occurring in the modern American workplace: International Competition, Technological Change, the Quality Movement, Standardization, Customization, and Similar Forces. It examines these dynamics in particular reference to their impact on interpersonal relations, teamwork, and leadership.

**IDS 154 Negotiating the Workplace** **1 CR**  
This course examines the conceptual framework, knowledge, and specific skills needed to enter and thrive in the modern American workplace. Topics include: Employer Expectations and Requirements; Job Information; Presentation Skills; "Organizational Savvy;" Workplace Etiquette; Interviewing for Promotions; and, Employment and Career Ladders.

**IMT 181 Industrial Operations I** **3CR**  
This course is a study of industrial manufacturing operations that convert materials into products. The course covers the conversions of such materials as metals, plastics, ceramics, textiles, and composite materials. Contemporary manufacturing techniques such as teaming and problem solving employed in the manufacturing environment are explored in the course.

**IMT 210 Basic Industrial Skills I** **3CR**  
This course is designed to give students an introduction to basic safety, construction math, and hand tools as related to industrial applications. (Note: Course is aligned with NCCER modules 00101-04, 00102-04, and 00103-04)

**IST 190 LINUX Essentials** **3 CR**  
This course will provide students with the fundamental knowledge and concepts of the LINUX operating system, including command line functions, file systems, user and group administration, process management, text editors, and network applications.

**IST 193 LINUX Security Administration** **3 CR**  
This course will provide students with the skills necessary to implement and administer basic LINUX security policies, including authentication, securing network applications, system monitoring, encryption, and others.

**IST 220 Data Communications** **3 CR**  
This course is a study of the fundamentals of data communications. Basic signaling, networking, and various transmission media are covered.  
Prerequisite: CPT 101

**IST 245 Local Area Networks** **3 CR**  
This course is a study of the methods used to interconnect computers, terminals, word processors, facsimile and other office machines within a given area. Examples of vendor implementations are used to illustrate various approaches.  
Prerequisite: IST 220

**IST 268 Computer Forensics** **3 CR**  
This course provides students with a foundational knowledge in computer forensics investigation. Students are introduced to the skills, tools, and methods used to gather, document, and handle electronic evidence.

**IST 291 Fundamentals of Network Security I** **3 CR**  
This course is the study of intro levels of security processes based on a security policy, emphasizing hands-on skills in the areas of secure perimeter, security connectivity, security management, identity services, and intrusion detection. The course prepares students to manage network security.

**IST 292 Fundamentals of Network Security II** **3 CR**  
This course is the study of advanced security processes based on a security policy, emphasizing hands-on skills in the areas of secure perimeter, security, and intrusion detection. The course prepares students to install/configure secure firewalls.

**IST 293 IT and Data Assurance I** **3 CR**  
The course introduces the basics of network security. Topics covered will include network vulnerabilities and threats, security planning, security technology, network security organization, as well as legal and ethical issues related to network security.

**IST 294 IT and Data Assurance II** **3 CR**  
This course introduces methods for attacking a network, concepts, principles, tools, and techniques for attacking and disabling a network will be covered in the context of understanding how to properly secure a network as a network administrator.

**MAT 032 Developmental Mathematics** **3 CR**  
Developmental Mathematics includes a review of arithmetic skills and focuses on the study of measurement and geometry, basic algebra concepts, and data analysis. Application skills are emphasized.

**MAT 101 Beginning Algebra** **3 CR**  
This course includes the following topics: operations with signed numbers; addition, subtraction, multiplication, and division with algebraic expressions; factoring; techniques for solving linear and fractional equations; and an introduction to graphing.

**MAT 102 Intermediate Algebra** **3 CR**  
This course includes the following topics: properties of numbers; fundamental operations with algebraic expressions; polynomials; systems of equations, ratios and proportion; factoring; functions; graphs; solutions of linear inequalities; and, linear and quadratic equations.

Prerequisite: MAT 101

**MAT 110 College Algebra** **3 CR**  
This course includes the following topics: polynomial, rational, logarithmic, and exponential functions; inequalities; systems of equations and inequalities; matrices; determinants; simple linear programming; solutions of higher degree polynomials; combinatorial algebra, including the binomial theorem; and introduction to probability.

Prerequisite: MAT 102

**MAT 111 College Trigonometry** **3 CR**  
This course includes the following topics: circular functions; trigonometric identities; solution of right and oblique triangles; solution of trigonometric equations, polar coordinates, and complex numbers, including Demoivre's Theorem; vectors; conic sections; sequences; and series.

Prerequisite: MAT 110

**MAT 120 – Probability and Statistics** **3CR**  
This course includes the following topics: introductory probability and statistics, including organization of data, sample space concepts, random variables, counting problems, binomial and normal distributions, central limit theorem, confidence intervals, and test hypothesis for large and small samples; types I and II errors; linear regression; and correlation.

**MAT 130 Elementary Calculus** **3 CR**  
This course includes the following topics: differentiation and integration of polynomials; rational, logarithmic, and exponential function; and interpretation and application of these processes.

Prerequisite: MAT 110

**MAT 141 Analytical Geometry and Calculus II** **4 CR**  
This course includes the following topics: continuation of calculus of one variable, including analytic geometry, techniques of integration, volumes by integration, and other applications; infinite series, including Taylor series and improper integrals.

Prerequisite: Analytical Geometry and Calculus I

**MAT 155 Contemporary Mathematics** **3 CR**  
This course includes techniques and applications of the following topics: elementary number theory; algebra; geometry; measurement; graph sketching and interpretations; and descriptive statistics.

**MAT 177 Calculus** **3 CR**  
This course includes the following topics: differentiation and integration of polynomial and rational functions with applications of these processes.

**MAT 215 Geometry** **3 CR**  
This course includes the following topics: Euclidean geometry of points, lines, triangles, circles, and polygons; right triangle trigonometry; and analytical geometry of the straight line. (This course is designed primarily for elementary teachers.)

**MET 214 Fluid Mechanics** **3 CR**  
This course is a study of the physical properties of fluids and includes hydrostatics, buoyancy, flow of incompressible fluids, orifices, venturis, and nozzles.

**MET 224 Hydraulics and Pneumatics** **3 CR**  
This course covers basic hydraulics and pneumatic principles and circuits. System components such as pumps, compressors, piping, valves, cylinders, fluid motors, accumulators and receivers are discussed.

**MET 227 Instrumentation Principles** **2 CR**  
This course covers the selection, application and calibration of valves, sensors, transmitters, recorders, and other devices used to measure and control fluid level, pressure, flow, density, temperature, and humidity in an industrial environment.

**MET 231 Machine Design** **4 CR**  
This course covers the design and application of machine elements such as shafts, couplings, springs, brakes, clutches, gears, and bearings. It also covers the applications of the principles of DC/AC statics, strength of materials, engineering drawing and dynamics to the design of simple machines.

**MGT 101 Principles of Management** **3 CR**  
This course is a study of management theories, emphasizing the management functions of planning, decision making, organizing, leading, and controlling.

**MGT 120 Small Business Management** 3 CR  
This course is a study of small business management and organization, forms of ownership, and the process of starting a new business.

**MKT 101 Marketing** 3 CR  
This course covers an introduction to the field of marketing with a detailed study of the marketing concept and the processes of product development, pricing, promotion, and marketing distribution.

**MKT 110 Retailing** 3 CR  
This course is a study of the importance of retailing in American business and covers the concepts of store location, layout, merchandising, display, pricing, inventory control, promotional programs and profit management.

**MKT 120 Sales Principles** 3 CR  
This course is a study of the personal selling process with special emphasis on determining customer needs and developing effective communications and presentation skills.

**MKT 135 Customer Service Techniques** 3 CR  
This course is a study of the techniques and skills required for providing customer service excellence, including illustrations to turn customer relations into high standards of customer service, satisfaction, and repeat sales.

**MSY 101 Masonry Fundamentals** 5 CR  
This course is an introduction to masonry skills and tools.

**MUS 101 Chorus I** 1 CR  
This course includes the study and performance of selected choral music.

**MUS 102 Chorus II** 1 CR  
This course includes the study and performance of selected choral music.

**MUS 103 Chorus III** 1 CR  
This course includes the study and performance of selected choral music.

**MUS 104 Chorus IV** 1 CR  
This course includes the study and performance of selected choral music.

**MUS 105 Music Appreciation** 3 CR  
This course is an introduction to the study of music with focus on the elements of music and their relationships, the musical characteristics of representative works and composers, common musical forms and genres of various western and non-western historical style periods, and appropriate listening experiences.

**MUS 110 Music Fundamentals** 3 CR  
This course is an introduction to the elements of music and music notation with keyboard applications.

**PHS 101 Physical Science I** 4 CR  
This is the first of a sequence of courses in physical science and includes an introduction to science with emphasis on science terminology and investigations of the physical world. Topics are selected from astronomy, chemistry, geology, and physics.

**PHS 102 Physical Science II** 4 CR  
This course is a continuation of the introduction to science with emphasis on science terminology and investigations of the physical world. Topics are selected from astronomy, chemistry, geology, and physics.

**PHY 201 Physics I** 4 CR  
This is the first in a sequence of Physics courses. Topics include mechanics, wave motion, sound, heat, electromagnetism, optics, and modern physics.

**PNR 110 Fundamentals of Nursing** 5 CR  
This course provides an introduction to basic principles and beginning skills necessary to the nursing process. Concepts are integrated relating to physiological, psychosocial, nutrition and health and safety needs of the individual. Legal and ethical roles of the practical nurse are emphasized.

**PNR 120 Medical-Surgical Nursing I** 5 CR  
This course is the beginning study utilizing the nursing process. Concepts include physiological, psychosocial, nutrition and health and safety needs of the adult. Clinical experiences address commonly occurring health problems having predictable outcomes.

**PNR 122 Pharmacology** 3 CR  
This course is an introductory course to the concepts of pharmacology and medication administration. Emphasis is on calculation of dosages, administration of medications and correct use of abbreviations. Effects of specific drugs are presented.

**PNR 130 Medical-Surgical Nursing II** 5 CR  
This course is a continuation of the study of the nursing process. Concepts include physiological, psychosocial, nutritional, health and safety needs of the adult. Clinical experiences address selected commonly occurring health problems having predictable outcomes.

**PNR 140 Medical-Surgical Nursing III** 5 CR  
This course is a continuation of the study of the nursing process. Concepts include physiological, psychosocial, nutritional, health and safety needs of the adult. Clinical experiences address selected commonly occurring health problems having predictable outcomes.

**PNR 165 Nursing Care of the Family** 6 CR  
This course focuses on nursing care of the family during childbearing and childrearing. Clinical sites may include both acute and community settings.

**PNR 170 Nursing Care of the Older Adult** 2 CR  
This course is a continuation of the study of the nursing process. Concepts include physiological, psychosocial, nutrition and health and safety needs of the older adult. Clinical experiences address commonly occurring health problems having predictable outcomes.

**PSC 201 American Government** 3 CR  
This course is a study of national governmental institutions with emphasis on the Constitution, the functions of the executive, legislative and judicial branches, civil liberties and the role of the electorate.

**PSY 201 General Psychology** 3 CR  
This course includes the following topics and concepts in the science of behavior: scientific methods, biological basis for behavior, perception, motivation, learning memory, development, personality, abnormal behavior, therapeutic techniques, and social psychology.

**PSY 203 Human Growth & Development** 3 CR  
This course is a study of the physical, cognitive, and social factors affecting human growth, development, and potential.

**RDG 032 Developmental Reading** 3 CR  
This course is an intensive review of the academic reading skills needed for success in a college-level course. Students will demonstrate their understanding of reading as a process and will apply strategies learned to expand their reading comprehension skills. Students will demonstrate the ability to integrate knowledge, use context clues, and identify supporting details.

**SOC 101 Introduction to Sociology** 3 CR  
This course emphasizes the fundamental concepts and principles of sociology, including culture, socialization, interaction, social groups and stratification, effects of population growth, and technology in society and social institutions.

**SOC 210 Juvenile Delinquency** 3 CR  
This course presents the nature, extent, and causes of juvenile delinquency behavior, including strategies used in the prevention, intervention, and control of deviant behavior.  
Prerequisite: SOC 101

**SOC 215 Ethnicity and Minority Issues** 3 CR  
This course is a sociological study of social and technological changes influencing minority and ethnic issues.

**SOC 220 Sociology of the Family** 3 CR  
This course includes an application of theory and research related to family behaviors, roles and values with emphasis on understanding family problems.  
Prerequisite: SOC 101

**SPA 101 Elementary Spanish** 4 CR  
This course is a study of the four basic language skills: listening, speaking, reading, and writing, including an introduction to Hispanic cultures.

**SPA 102 Elementary Spanish II** 4 CR  
This course continues development of the basic language skills and the study of Hispanic cultures.

**SPA 201 – Intermediate Spanish I** 3 CR  
This course is a review of Spanish grammar with attention given to more complex grammatical structures and reading difficult prose.

**SPC 205 Public Speaking** 3 CR  
This course is an introduction to principles of public speaking with application of speaking skills.

**THE 101 Introduction to Theatre** 3 CR  
This course includes the appreciation and analysis of theatrical literature, history, and production.

**WLD 102 Introduction to Welding** 2 CR  
This course covers the principles of welding, cutting, and basic procedures for safety in using welding equipment.

**WLD 103 Print Reading I** 1 CR  
This is a basic course which includes the fundamentals of print reading, the meaning of lines, views, dimensions, notes, specifications, and structural shapes. Welding symbols and assembly drawings as used in fabrication work are also covered.

**WLD 104 Gas Welding and Cutting** 2 CR  
This course covers gas welding, brazing, soldering, and cutting of metals.

**WLD 106 Gas and ARC Welding** 4 CR  
This course covers the basic principles and practices of oxyacetylene welding, cutting, and electric welding. Emphasis is placed on practice in fundamental position welding and safety procedures.

**WLD 108 Gas Metal ARC Welding I** 4 CR  
This course covers equipment setup and the fundamental techniques for welding ferrous and non-ferrous metals.

**WLD 111 ARC Welding I** 4 CR  
This course covers the safety, equipment, and skills used in the shielded metal arc welding process. Fillet welds are made to visual criteria in several positions.

**WLD 113 ARC Welding II** 3 CR  
This course is a study of welding of ferrous and/or non-ferrous metals.

**WLD 136 Advanced Inert Gas Welding** 2 CR  
This course covers the techniques for all positions of welding ferrous and non-ferrous metals.

**WLD 141 Weld Quality** 2 CR  
This is an introductory course in weld quality assurance.

**WLD 154 Pipe Fitting and Welding** 4 CR  
This is a basic course in fitting and welding pipe joints, either ferrous or non-ferrous, using standard processes.

