



DENMARK TECHNICAL COLLEGE



ASSOCIATE DEGREE: APPLIED SCIENCE IN ELECTROMECHANICAL ENGINEERING TECHNOLOGY (70 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

9 SHC

1ST 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)

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 170

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

*REQUIRED

2ND SEM

(SHC)

TERM

GRADE

NATURAL SCIENCES/MATHEMATICS (NSM)

13 SHC

MAT 110 COLLEGE ALGEBRA (3-0-3)**

SPC 205

MAT 111 COLLEGE TRIGONOMETRY (3-0-3)

EET 145

MAT 130 ELEMENTARY CALCULUS (3-0-3)

EET 114

PHY 201 PHYSICS I (3-3-4)

MAT 111

CIM 131

SOCIAL/BEHAVIORAL SCIENCES (SBS)

3 SHC

3RD SEM

(SHC)

TERM

GRADE

ECO 210 MACROECONOMICS (3-0-3)

EGT 151

ECO 211 MICROECONOMICS (3-0-3)

CPE 110

PSC 201 AMERICAN GOVERNMENT (3-0-3)

EGR 130

PHY 201

MAT 130

REQUIRED CORE SUBJECT AREAS

15 SHC

EET 113 ELECTRICAL CIRCUITS I (3-3-4)**

4TH SEM

(SHC)

TERM

GRADE

EET 114 ELECTRICAL CIRCUITS (3-3-4)

EET 233

EET 145 DIGITAL CIRCUITS (3-3-4)

MET 231

CPT 170 MICROCOMPUTER APPLICATIONS (3-0-3)

MET 214

SBS REQ.

OTHER HOURS FOR GRADUATION

30 SHC

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)

EGR 130 ENGINEERING TECHNOLOGY APPLICATIONS AND PROGRAMMING (3-0-3)

CIM 131 COMPUTER INTEGRATED MANUFACTURING (3-0-3)

EET 233 CONTROL SYSTEMS (3-3-4)

CPE 110 COMPUTER LANGUAGE (3-0-3)

MET 231 MACHINE DESIGN (3-3-4)

TOTAL 70 SHC

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 AND EET 145 IN THE MAJOR. **EGR 194 MUST BE TAKEN PRIOR TO MET 231 IN THE MAJOR.**

Accreditation Information

This program is accredited by the Engineering Technology Accreditation Commission of ABET, <http://www.abet.org>.



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.