

ENERGY MANAGEMENT ENGINEERING TECHNOLOGY CONCENTRATION

FRESHMAN YEAR

Fall Semester	16 Credits
MATH 1300	Precalculus..... 4
ENGL 1100	Writing I 3
HIST xxxx	LA&S Elective (HIST) 3
ENGT 1700	Evolution of Engineering Technology. 3
ENGT 1000	Electrical Systems and Circuits 3

Spring Semester	16 Credits
MATH 2100	Technical Calculus..... 3
ENGL 1200	Writing II 3
CHEM 1300	General Chemistry I..... 4
ENGT 1020	Engineering Graphics 3
ENGT 1050	Technical Analysis..... 3

JUNIOR YEAR

Fall Semester	15 Credits
GEOG 3120	Computer Cartography 3
ENGT 3025	Engineering Design: Fabrication Systems I..... 3
ENGT 3000	Energy and Sustainable Practices..... 3
ENGT 3045	Analysis and Design of Structural Systems..... 3
ENGT 3010	Building Design I..... 3

Spring Semester	12 Credits
ENGT 3026	Engineering Design: Fabrication Systems II..... 3
ENGL xxxx	LA&S Elective (LIT)..... 3
PSY/SOC xxxx	LA&S Elective (HMN) 3
ENGT 3020	Building Design II..... 3

LA&S Elective List

- 1 AOM attribute (Art or Music)
- 1 ART attribute (the Arts)
- 3 credits HAF attribute (Health/Fitness)
- 1 LIT attribute (Literature)
- 1 HIST subject (History)
- 1 HMN attribute (Human Behavior)

Advanced LA&S Options Area

Review the three options with your advisor and submit your decision to the Registrar's Office by completion of 60 credits.

Global Diversity Area

Two courses taken must meet the Global Diversity requirement: GDAN course + (GDC or GDCN course) **OR** GDCN course + (GDA or GDAN course). These courses are allowed to satisfy this requirement and another requirement at the same time.

SOPHOMORE YEAR

Fall Semester	17 Credits
PHYS 2300	General Physics I..... 4
CMGT 2035	Building Construction Systems..... 4
ENGT 2000	Fluid Mechanics and Thermodynamics 3
ENGT 2020	Statics and Dynamics 3
ENGT 1040	Software Applications in Engineering Technology..... 3

Spring Semester	16 Credits
PHYS 2400	General Physics II 4
ECON 1100	Principles of Economics: Macroeconomics..... 3
ART/MUS xxxx	LA&S Elective (AOM) 3
ENGT 2025	Strength of Materials..... 3
ENGT 2030	Materials Testing and Quality Control..... 3

SENIOR YEAR

Fall Semester	15 Credits
CMGT 3030	MEP and HVAC Systems..... 3
CMGT 3035	OSHA: Safety and Risk Management 3
ENGT 3650	Co-generation and Waste Recycling Systems..... 3
ENGT 4700	Engineering Project Management 3
ENGT 4120	Performance Contracting for Energy Systems 3

Spring Semester	13 Credits
EXSS 1000	Health and Fitness..... 3
ENGT 4140	Seminar in Energy 4
ART xxxx	LA&S Elective (ART)..... 3
ENGT 4903	Engineering Technology Capstone..... 3

Suggested 4-year plan of study. Completion of 120 credits required for graduation.

Revised 06-2020

Engineering Technology Program

ENERGY MANAGEMENT ENGINEERING TECHNOLOGY CONCENTRATION

LA&S Courses

SMT Courses:

MATH 1300	Precalculus.....	4
CHEM 1300	General Chemistry I.....	4
EXSS 1000	Health and Fitness.....	3
MATH 2100	Technical Calculus.....	3

CTW Courses:

HIST	History (LA&S).....	3
PSY/SOC	Human Behavior.....	3
ENGT 1700	Evolution of Engineering Technology	3

ART Courses:

ART/MUS	Art/Music (LA&S).....	3
ENGL1100	Writing I	3
ENGL 1200	Writing II	3
ENGL	Literature (LA&S).....	3
ART	Art (LA&S)	3

Advanced LA&S Option C

PHYS 2300	General Physics I.....	4
PHYS 2400	General Physics II	4
ECON 1100	Principles of Economics-Macro	3
GEOG 3120	Computer Cartography	3

Core Courses

ENGT 1000	Electrical Systems and Circuits	3
ENGT 1020	Engineering Graphics	3
ENGT 1050	Technical Analysis.....	3
ENGT 1040	Software Applications in Engineering Technology.....	3
ENGT 2000	Fluid Mechanics and Thermodynamics	3
ENGT 2020	Statics and Dynamics	3
ENGT 2025	Strength of Materials.....	3
ENGT 2030	Materials Testing and Quality Control.....	3
CMGT 3030	MEP and HVAC Systems.....	3
ENGT 3000	Energy and Sustainable Practices.....	3
ENGT 3025	Engineering Design and Fabrication I.....	3
ENGT 3026	Engineering Design and Fabrication II	3
CMGT 3035	OSHA: Safety and Risk Management	3
ENGT 4700	Engineering Project Management	3
ENGT 4903	Engineering Technology Capstone.....	3

Additional Courses: Energy Mgmt. Engineering Technology

CMGT 2035	Building Construction Systems.....	4
ENGT 3010	Building Design I.....	3
ENGT 3020	Building Design II.....	3
ENGT 3045	Analysis and Design of Structural Systems.....	3
ENGT 3650	Cogeneration and Waste Recovery Systems.....	3
ENGT 4120	Performance Contracting for Energy Systems.....	3
ENGT 4140	Seminar in Energy	4

Total credit hours for the Bachelors of Science in Engineering Technology Program with Energy Management Engineering Technology Concentration = 120