

## ELECTRONICS ENGINEERING TECHNOLOGY CONCENTRATION

### FRESHMAN YEAR

Fall Semester		16 Credits
MATH 1300	Precalculus.....	(4)
ENGL 1100	Writing I.....	(3)
ENGT 1040	Software Applications in Engineering Technology.....	(3)
ENGT 1700	Evolution of Engineering Technology.....	(3)
ENGT 1000	Electrical Systems and Circuits.....	(3)

Spring Semester		16 Credits
MATH 2100	Technical Calculus.....	(3)
CHEM 1300	General Chemistry I.....	(4)
ENGT 1050	Technical Analysis.....	(3)
ENGT 1020	Engineering Graphics.....	(3)
ENGT 2050	Electronics I.....	(3)

### JUNIOR YEAR

Fall Semester		15 Credits
MATH 1900	Discrete Mathematics.....	(3)
ENGT 3025	Engineering Design: Fabrication Systems I.....	(3)
PSY/SOC 1xxx	LA&S Elective (HMN).....	(3)
ENGT 3900	Device Interface Design.....	(3)
ENGT 3000	Energy and Sustainable Practices.....	(3)

Spring Semester		16 Credits
ENGT 2030	Materials Testing and Quality Control.....	(3)
ENGT 3026	Engineering Design: Fabrication Systems II.....	(3)
EXSS 1000	Health and Fitness.....	(3)
ENGT 3016	Advanced Digital Electronics.....	(4)
ENGL xxxx	LA&S Elective (LIT).....	(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		16 Credits
PHYS 2300	General Physics I.....	(4)
ENGT 2055	Electronics II.....	(3)
ENGT 2000	Fluid Mechanics and Thermodynamics.....	(3)
ENGT 2020	Statics and Dynamics.....	(3)
ART xxxx	LA&S Elective (ART).....	(3)

Spring Semester		16 Credits
PHYS 2400	General Physics II.....	(4)
ENGT 3015	Digital Electronics.....	(3)
ENGT 2025	Strength of Materials.....	(3)
ECON 1100	Principles of Economics: Macroeconomics.....	(3)
ENGL 1200	Writing II.....	(3)

### SENIOR YEAR

Fall Semester		12 Credits
CMGT 3030	MEP and HVAC Systems.....	(3)
CMGT 3035	OSHA: Safety and Risk Management.....	(3)
ENGT 4100	Control Theory.....	(3)
ENGT 4700	Engineering Project Management.....	(3)

Spring Semester		13 Credits
ART/MUS xxxx	LA&S Elective (AOM).....	(3)
ENGT 4050	Microprocessor and Microcontroller Embedded System.....	(4)
ENGT 4903	Engineering Technology Capstone.....	(3)
HIST xxxx	LA&S Elective (HIST).....	(3)

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

Revised 06-2020

# Engineering Technology Program

## ELECTRONICS ENGINEERING TECHNOLOGY CONCENTRATION

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### LA&S Courses

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**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

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### Advanced LA&S Option C

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PHYS 2300	General Physics I.....	4
PHYS 2400	General Physics II.....	4
ECON 1100	Principles of Economics-Macro.....	3
MATH 1900	Discrete Mathematics.....	3

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### Core Courses

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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: Fabrication Systems I.....	3
ENGT 3026	Engineering Design: Fabrication Systems II.....	3
CMGT 3035	OSHA: Safety and Risk Management.....	3
ENGT 4700	Engineering Project Management.....	3
ENGT 4903	Engineering Technology Capstone.....	3

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### Additional Courses: Electronics Engineering Technology

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ENGT 2050	Electronics I.....	3
ENGT 2055	Electronics II.....	3
ENGT 3015	Digital Electronics.....	3
ENGT 3016	Advanced Digital Electronics.....	4
ENGT 3900	Device Interface Design.....	3
ENGT 4050	Microprocessor and Microcontroller Embedded Systems.....	4
ENGT 4100	Control Theory.....	3

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