NMT Electrical Engineering Critical Path (120 Credit Hours Total)

Projects will be selected as demonstrators of learning objectives for each semester.

Semester 1 (Fall)
- EE 161 Basic Electronics Lab I (1)
- Phys 121 & L Physics I (5)
- Math 131 Calc I (4)

Semester 2 (Spring)
- EE 162 Basic Electronics Lab II (1)
- Phys 122 & L Physics II (5)
- Math 132 Calc II (4)

Semester 3 (Fall)
- EE 211 Circuits (3)
- EE 271 Math Eng (3)
- Math 335 ODE (3)

Semester 4 (Spring)
- Math 231 Calc III (4)
- EE 252 Digital Elec (3)
- EE 212 Circuits II (3)

Semester 5 (Fall)
- EE 361 Mixed Electronics Lab I (2)
- EE 353 Analog Elec (3)
- EE 351 Microcontrollers (3)
- EE 311 Signals & Sys (3)

Semester 6 (Spring)
- Eng Elective (3)

Semester 7 (Fall)
- EE 332 E & M (3)
- EE 372 Modeling & Sim (3)
- EE 481 Capstone I (3)

Semester 8 (Spring)
- EE 482 Capstone II (3)
- EE 472 DSP (4)
- EE 411 Stoc Proc & Comm (3)

Disclaimer: Use this document as only a general idea regarding the flow of the program. Changes may occur and requirements differ by the catalog you are under. Always check the course catalog as it is the ultimate source for the curriculum and its requirements.

Current curriculum layout encourages students to pursue minors with a path to graduate in 4 years. Most suitable minors are:
- Minor in Optical Science & Engineering - requiring only 1 additional credits if courses used for Eng. Electives
- Minor in Mathematics or Minor in Engineering Management - requiring 12 additional credits
- Minor in Environmental Engineering - requiring 9 additional credits

Requirements to Finish Gen Ed (suggested distribution)

Semester 1 (Fall)
- Humanities (3)
- Engi 111 English (3)

Semester 2 (Spring)
- Fine Arts (3)
- Engi 112 English (3)

Semester 3 (Fall)
- Chem 121 & L Chemistry I (4)
- Social Science (3)

Semester 4 (Spring)
- Chem 122 & L Chemistry II (4)
- Humanities (3)
- Engi 341 Tech Writing (3)

Sample Curriculum Credit Count