EngineeringPlus Emphasis 2023/24

This is not an official list of degree requirements. Adjustments may be required due to curriculum changes. See back of academic plan for more information on requirements for elective courses.
BSE EngineeringPlus Emphasis 2023-24
(minimum of 125 credits)

Academic questions: E-mail efadvise@mtu.edu

1 Senior Design Prerequisite courses:
ENG1101, ENG1102, ENG2120, CEE3200, ENG3830 (C), MSE2100, CEE3332, and EE3010.

2 General Education Requirements (24 credits + 3 PE units):

I. Core Courses (12 credits)
___ UN1015 Composition
___ UN1025 Global Issues or 3000+ Modern Language
___ Critical/Creative Think List
___ Social Resp./Ethical Reason List

II. HASS Courses Requirements (12 credits)
(www.admin.mtu.edu/em/documents/HASS Distribution List.pdf)
- 6 credits upper level (3000-4999)
- 3 credits from each listed below
  ___ Communication/Composition
  ___ Humanities/Fine Arts List (HU/FA)**
  ___ Social & Behavioral Science List (EC/PSY/SS)**
  ___ 3 credits from any list**
* EC3400 is required by the degree, and may NOT be counted as a Social Resp./Ethical Reason or HASS course.

III. Co-curricular activities (3 units)
In the co-curricular requirement, the three semester units will be physical education activities. These units are required for graduation, but are not included in the calculation of the GPA, nor in the overall degree-credit requirement. Note: most physical education activities will last for 7 ½ weeks or ½ semester. A student would need six of these ½-semester units to fulfill the 3-semester unit co-curricular requirement.

PE__________ PE__________ PE__________
PE__________ PE__________ PE__________

3 Quality Control Elective (select 3 credits):
___ MET4510 ___ MEEM4650 ___ OSM4650

4 Math/Science Elective (select 4 credits):

5 Technical Electives (12 credits):
Select 12 credits engineering credits at the 3000+ level in a coherent plan of study that is approved by the Academic Advisor for the Bachelor of Science in Engineering program, Department Chair of Engineering Fundamentals and Academic Dean for the College of Engineering. 6 credits must be 4000+ level.

6 Directed Electives (9 credits):
Select 9 credits in a coherent plan of study such as partial fulfillment of a university approved minor, or a self-defined program with the advice of the BSE Academic Advisor.

7 Professional Electives (9 credits):
Select 9 credits in a coherent plan of study that is approved by the Academic Advisor for the Bachelor of Science in Engineering program, Department Chair of Engineering Fundamentals and Academic Dean for the College of Engineering.