# Degree Plan Chart for Applied Mechanical Engineering (New-AME) Revised 29 October, 2020

## FRESHMAN YEAR
- **18 hrs.**
  - CHEM 101 General Chemistry (4)
  - ENGL 101 Intro. to Acad. Discourse (3)
  - MATH 101 Calculus I (4)
  - PHYS 101 General Physics I (4)
  - IAS 121 Language Foundation (2)
  - PE 101 Physical Edu. I (1)
  - ENGL 102 Intro. to Report Writing (3)
  - ICS 104 Intro. to Prog. In Python & C (4)
  - MATH 102 Calculus II (4)
  - PHYS 102 General Physics II (4)
  - IAS 111 Belief & its Consequences (2)

**Total Credit Hours: 128**

**NAME:** ________________________

**ID No.:** ________________________

## SOPHOMORE YEAR
- **19 hrs.**
  - CE 202 Statics & Strength of Materials (3)
  - ENGL 214 Academic and Professional Communication (3)
  - MATH 201 Calculus III (3)
  - ME 203 Thermodynamics I (3)
  - ME 210 ME Drawing & Graphics (3)
  - ME 216 Materials Science & Eng. (3)
  - ME 217 Material Sci. & Eng. Lab (1)
  - PHYS 101 (3)
  - ENGL 102 (3)
  - MATH 101 (3)
  - MATH 102 (3)
  - PHYS 102 (3)

**18 hrs.**
  - EE 234 EE Principles & Applications (3)
  - EE 235 EE Principles & Applications Lab (1)
  - ISE 291 Intro. to Data Science (3)
  - MATH 202 Elements of Differential Equations (3)
  - ME 204 Thermodynamics II (3)
  - ME 218 Intro. to ME Design (2)
  - MATH 102, PHYS 102 (3)
  - CHEM 101, MATH 102 (3)

**Total Credit Hours: 128**

**NAME:** ________________________

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## JUNIOR YEAR
- **18 hrs.**
  - COE 292 Intro. to Artificial Intelligence (3)
  - IAS 212 Professional Ethics (2)
  - STAT 319 Prob. & Stat. for Engineers (3)
  - ME 301 Machine Design I (3)
  - ME 311 Fluid Mechanics (3)
  - ME 322 Manufacturing Processes (3)
  - ME 323 Manufacturing Lab (1)
  - ISE 291 (3)
  - IAS 111 (2)
  - MATH 102 (3)
  - CE 202, ME 218 (3)
  - MATH 201, ME 201, ME 203 (3)
  - ME 210, ME 216, ME 217 (3)

**Total Credit Hours: 128**

**NAME:** ________________________

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## SENIOR YEAR
- **6 hrs.**
  - ME 398 Internship Training (6)

**16 hrs.**
  - BUS 200, ENGL 214, ME 301, ME 315
  - GS XXX General Studies Elective (3)
  - ME 401 System Dynamics & Control (3)
  - ME 402 Measurements & Control Lab (1)
  - ME 415 Senior Design Project (3)
  - ME 4XX ME Elective I (3)
  - ME 4XX ME Elective II (3)
  - ME 398 Co-Req: ME 302, ME 303 (4)

**Total Credit Hours: 128**

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**KEY**
- Pre-Requisites
- Co-Requisites
- Credit Hours
- General Education Requirements
- Core Requirements
- Elective Requirements
- Technical Training

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