# UNIVERSITY OF MASSACHUSETTS DARTMOUTH
## DEPARTMENT OF ELECTRICAL AND COMPUTER ENGINEERING

**DEGREE AUDIT AND PROGRESS SHEET**

**CLASS OF 2029 AND BEYOND**
**COMPUTER ENGINEERING**

NAME: _____     SID: _____

E-MAIL: _____   ☐ ALL REQUIREMENTS MET     ENTERING TERM: _____

| COURSE | SATISFIED BY | | TERM | CRS | GR | PREREQUISITES |
|--------|--------------|--|------|-----|----|----|
| **MATHEMATICS (21 credits)** | | | | | | ☐ Requirements Met |
| Calculus I[1] | ☐ MTH 153 | ☐ MTH 151 | | 4 | | |
| Calculus II | ☐ MTH 154 | ☐ MTH 152 | | 4 | | MTH 153 |
| Calculus III | ☐ MTH 213 | ☐ MTH 211 | | 4 | | MTH 154 |
| Differential Equations | ☐ MTH 212 | | | 3 | | MTH 154 |
| Probability | ☐ MTH 331 | | | 3 | | MTH 154 |
| Applied Discrete Structures | ☐ ECE 355 | | | 3 | | MTH 154 |
| **BASIC SCIENCE (11 credits)** | | | | | | ☐ Requirements Met |
| Science Elective[2] (US Cluster 2B) | ☐ | | | 3 | | |
| Classical Physics I[3] | ☐ PHY 113 | ☐ PHY 111 | | 4 | | MTH 153 |
| Classical Physics II | ☐ PHY 114 | ☐ PHY 112 | | 4 | | PHY 113, MTH 154 |
| **ENGINEERING (3 credits)** | | | | | | ☐ Requirements Met |
| Intro. Eng. & Computing[4] | ☐ EGR 111 | | | 3 | | |
| **ECE COMMON (32.5 credits)** | | | | | | ☐ Requirements Met |
| Intro to Programming | ☐ ECE 170 | | | 4 | | |
| Circuit Theory I | ☐ ECE 201 | | | 3.5 | | MTH 154 |
| Circuit Theory II | ☐ ECE 202 | | | 3.5 | | ECE 201 |
| Digital Logic & Comp. Design | ☐ ECE 260 | | | 3.5 | | |
| Embedded Systems | ☐ ECE 263 | | | 3.5 | | ECE 170, ECE 201, ECE 260 |
| Engineering Ethics | ☐ ECE 310 | | | 1 | | |
| Digital Electronics | ☐ ECE 311 | | | 4 | | ECE 201, ECE 260, PHY 114 |
| Discrete-Time Linear Systems | ☐ ECE 320 | | | 3.5 | | ECE 202 |
| Design Project I[5] | ☐ ECE 457 | | | 3 | | Senior Standing: ECE311, 368, 369 |
| Design Project II[6] | ☐ ECE 458 | | | 3 | | ECE 457 |
| **FREE ELECTIVE (3 credits)** | | | | | | |
| Free Elective | ☐ | | | 3 | | |
| **CPE UNIQUE (16.5 credits)** | | | | | | ☐ Requirements Met |
| Data Structures | ☐ ECE 171 | | | 4 | | ECE 170 |
| OS Essential for Cybersecurity | ☐ ECE 258 | | | 3 | | ECE 170 |
| RT Embedded RMS | ☐ ECE 370 | | | 3.5 | | ECE 171, ECE 258, ECE 263 |
| Digital Design | ☐ ECE 368 | | | 3 | | ECE 263 |
| Computer Networks | ☐ ECE 369 | | | 3 | | ECE201, ECE370, MTH331 |
| **TECHNICAL ELECTIVES (9 credits)** | | | | | | ☐ Requirements Met |
| Elective 1 | ☐ ECE 4_ _ | | | 3 | | |
| Elective 2 | ☐ ECE 4_ _ | | | 3 | | |
| Elective 3 | ☐ ECE 4_ _ | | | 3 | | |
| **UNIVERSITY STUDIES (24 credits)** | | | | | | ☐ Requirements Met |
| Critical Writing & Reading I | ☐ ENL 101 | | | 3 | | |
| Critical Writing & Reading II | ☐ ENL 102 | | | 3 | | ENL 101 |
| Technical Communications[7] | ☐ ENL 266 | | | 3 | | ENL 102 |
| University Studies: Cluster 3A | ☐ | | | 3 | | |
| University Studies: Cluster 3B | ☐ | | | 3 | | |
| University Studies: Cluster 4A | ☐ | | | 3 | | |
| University Studies: Cluster 4B | ☐ | | | 3 | | |
| University Studies: Cluster 4C | ☐ EGR 303 | | | 3 | | MTH 154 |

**Total Credits = 120**

[1] This course meets the University Studies Cluster 1D requirement: Mathematics.
[2] Must be chosen from the University Studies cluster 2B (Science in the Engaged Community) approved list (www.umassd.edu/universitystudies/approvedcourses/) and be a BIO, BNG, CHM, MAR, or MLS course; or a PHY course numbered above 150. Requirement
[3] This course meets the University Studies Cluster 2A requirement: Science of the Natural World.
[4] This course meets the University Studies Cluster 1E requirement: Foundation for Learning through Engagement.
[5] This course meets the University Studies Cluster 5B requirement: Learning through Engagement.
[6] This course meets the University Studies Cluster 5A requirement: Capstone Study.
[7] This course meets the University Studies Cluster 1C requirement: Intermediate Writing.

GPA: _____
GPA in Major: _____
☐ Senior Exit Survey Completed
☐ Alumni Information Form Completed

Last Revision: July 2025