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

# DEGREE AUDIT AND PROGRESS SHEET

**CLASS OF 2022 AND BEYOND**
**ELECTRICAL ENGINEERING**

**NAME:** _____ **SID:** _____

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

| COURSE | SATISFIED BY | TERM | CRS | GR | PREREQUISITES |
|---|---|---|---|---|---|
| **MATHEMATICS (18 credits)** | | | | | ☐ **Requirements Met** |
| Calculus I[1] | ☐ MTH 153 ☐ MTH 151 | | 4 | | |
| Calculus II | ☐ MTH 154 ☐ MTH 152 | | 4 | | MTH 153, PHY 111+ |
| Calculus III | ☐ MTH 213 ☐ MTH 211 | | 4 | | MTH 154, PHY 112+ |
| Differential Equations | ☐ MTH 212 | | 3 | | MTH 154 |
| Engineering Math | ☐ ECE 355 ☐ ECE 455 ☐ ECE 485 ☐ MTH 221 | | 3 | | |
| **BASIC SCIENCE (14 credits)** | | | | | ☐ **Requirements Met** |
| Science Elective[2] (US Cluster 2B) | ☐ | | 3 | | |
| Science Elective[2] | ☐ | | 3 | | |
| Classical Physics I[3] | ☐ PHY 111 ☐ PHY 113 | | 4 | | MTH 153, MTH 154+ |
| Classical Physics II | ☐ PHY 112 ☐ PHY 114 | | 4 | | PHY 111, MTH 213+ |
| **ENGINEERING (3 credits)** | | | | | ☐ **Requirements Met** |
| Intro. Eng. & Computing[4] | ☐ EGR 111 | | 3 | | |
| **ECE COMMON (41 credits)** | | | | | ☐ **Requirements Met** |
| Foundations of CPE I | ☐ ECE 160 | | 4 | | |
| Circuit Theory I | ☐ ECE 201 | | 3.5 | | MTH 154 |
| Circuit Theory II | ☐ ECE 202 | | 3.5 | | ECE 201 |
| Fundamentals of MATLAB | ☐ ECE 250 | | 2 | | ECE 160 |
| Digital Logic & Comp. Design | ☐ ECE 260 | | 3.5 | | |
| Embedded Systems | ☐ ECE 263 | | 3.5 | | ECE 160, ECE 260 |
| Object Oriented Software Devel. | ☐ ECE 264 | | 4 | | ECE 160 |
| Ethics | ☐ ECE 310 | | 1 | | |
| Digital Electronics | ☐ ECE 311 | | 4 | | ECE 201, ECE 260, PHY 112 |
| Discrete-Time Linear Systems | ☐ ECE 320 | | 3 | | ECE 202, ECE250 |
| Embedded Design Project | ☐ ECE 388 | | 3 | | ECE 263 |
| Design Project I[5] | ☐ ECE 457 | | 3 | | Senior Standing |
| Design Project II[6] | ☐ ECE 458 | | 3 | | ECE 457 |
| **ELE UNIQUE (19 credits)** | | | | | ☐ **Requirements Met** |
| Analog Electronics | ☐ ECE 312 | | 4 | | ECE 202, ECE 311 |
| Continuous-Time Linear Systems | ☐ ECE 321 | | 3 | | ECE 320, MTH 212 |
| Electromagnetic Theory I | ☐ ECE 335 | | 3 | | ECE 201, MTH 213, PHY 112 |
| Electromagnetic Theory II | ☐ ECE 336 | | 3 | | ECE 335 |
| Random Signals & Noise | ☐ ECE 384 | | 3 | | ECE 320 |
| Communication Theory | ☐ ECE 471 | | 3 | | ECE 321, ECE 384 |
| **TECHNICAL ELECTIVES (6 credits)** | | | | | ☐ **Requirements Met** |
| Elective 1 | ☐ ECE 4_ _ ☐ _ _ _ 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 |

+ indicates co-requisite

**Total Credits = 125**

[1] This course meets the University Studies Cluster 1D requirement: Mathematics.
[2] Must be chosen from this list: BIO, BNG, CHM, MAR, or MLS course; or a PHY course numbered above 150. One of the courses must come from the University Studies cluster 2B (Science in the Engaged Community) approved list (www.umassd.edu/universitystudies/approvedcourses/). Requirement may not be satisfied by independent study, seminars or internships.
[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: May 2018

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