

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

**CLASSES OF 2016 AND 2017  
COMPUTER ENGINEERING**

**DEGREE AUDIT AND PROGRESS SHEET**

**NAME:** \_\_\_\_\_

**SID:** \_\_\_\_\_

**E-MAIL:** \_\_\_\_\_  **ALL REQUIREMENTS MET**

**ENTERING TERM:** \_\_\_\_\_

<u>COURSE</u>	<u>SATISFIED BY</u>	<u>TERM</u>	<u>CRS</u>	<u>GR</u>	<u>PREREQUISITES</u>
<b>MATHEMATICS (21 credits)</b> <span style="float:right"><input type="checkbox"/> Requirements Met</span>					
Calculus I <sup>1</sup>	<input type="checkbox"/> MTH 113 <input type="checkbox"/> MTH 111		4		EGR 101+
Calculus II	<input type="checkbox"/> MTH 114 <input type="checkbox"/> MTH 112		4		MTH 113, EGR 102+, PHY 111+
Calculus III	<input type="checkbox"/> MTH 213 <input type="checkbox"/> MTH 211		4		MTH 114, PHY 112+
Differential Equations	<input type="checkbox"/> MTH 212		3		MTH 114
Probability	<input type="checkbox"/> MTH 331		3		MTH 114
Applied Discrete Structures	<input type="checkbox"/> ECE 355		3		MTH 114
<b>BASIC SCIENCE (11 credits)</b> <span style="float:right"><input type="checkbox"/> Requirements Met</span>					
Science Elective <sup>2</sup>	<input type="checkbox"/>		3		
Classical Physics I <sup>3</sup>	<input type="checkbox"/> PHY 111 <input type="checkbox"/> PHY 113		4		MTH 113, EGR 102+, MTH 114+
Classical Physics II	<input type="checkbox"/> PHY 112 <input type="checkbox"/> PHY 114		4		PHY 111, MTH 213+
<b>ENGINEERING (4 credits)</b> <span style="float:right"><input type="checkbox"/> Requirements Met</span>					
Intro. Eng. Applied Science I <sup>4</sup>	<input type="checkbox"/> EGR 101		2		MTH 113+
Intro. Eng. Applied Science II	<input type="checkbox"/> EGR 102		2		MTH 114+, PHY 111+
<b>ECE COMMON (37 credits)</b> <span style="float:right"><input type="checkbox"/> Requirements Met</span>					
Foundations of CPE I	<input type="checkbox"/> ECE 160		4		
Circuit Theory I	<input type="checkbox"/> ECE 201		3.5		EGR 101, MTH 114
Circuit Theory II	<input type="checkbox"/> ECE 202		3.5		ECE 201
Fundamentals of MATLAB	<input type="checkbox"/> ECE 250		1		ECE 160
Digital Logic & Comp. Design	<input type="checkbox"/> ECE 260		3.5		
Embedded Systems	<input type="checkbox"/> ECE 263		3.5		ECE 260
Object Oriented Software Devel.	<input type="checkbox"/> ECE 264		4		ECE 160
Engineering Ethics	<input type="checkbox"/> ECE 310		1		
Digital Electronics	<input type="checkbox"/> ECE 311		4		ECE 201, ECE 260, PHY 112
Discrete-Time Linear Systems	<input type="checkbox"/> ECE 320		3		ECE 202, ECE250
Design Project I <sup>5</sup>	<input type="checkbox"/> ECE 457		3		Senior standing
Design Project II <sup>6</sup>	<input type="checkbox"/> ECE 458		3		ECE 457
<b>CPE UNIQUE (25 credits)</b> <span style="float:right"><input type="checkbox"/> Requirements Met</span>					
Foundations of CPE II	<input type="checkbox"/> ECE 161		4		ECE 160
Fundamentals of UNIX	<input type="checkbox"/> ECE 257		2		ECE 160
Algorithms & Data Structures	<input type="checkbox"/> CIS 360		3		ECE 161, ECE 264, ECE 355
Design of Operating Systems	<input type="checkbox"/> CIS 370		4		ECE 161, ECE 257, ECE 263
Digital Design	<input type="checkbox"/> ECE 368		3		ECE 263
Computer Networks	<input type="checkbox"/> ECE 369		3		CIS 370, ECE 201
Embedded Design Project	<input type="checkbox"/> ECE 388		3		ECE 263
Comp. System Perf. Eval.	<input type="checkbox"/> ECE 460		3		ECE 263; CIS 360, 370; MTH 331
<b>TECHNICAL ELECTIVES (6 credits)</b> <span style="float:right"><input type="checkbox"/> Requirements Met</span>					
Elective 1	<input type="checkbox"/> ECE 4__ <input type="checkbox"/> ___ 4__		3		
Elective 2	<input type="checkbox"/> ECE 4__		3		
<b>UNIVERSITY STUDIES (24 credits)</b> <span style="float:right"><input type="checkbox"/> Requirements Met</span>					
Critical Writing & Reading I	<input type="checkbox"/> ENL 101		3		
Critical Writing & Reading II	<input type="checkbox"/> ENL 102		3		ENL 101
Technical Communications <sup>7</sup>	<input type="checkbox"/> ENL 266		3		ENL 102
University Studies: Cluster 3A	<input type="checkbox"/>		3		
University Studies: Cluster 3B	<input type="checkbox"/>		3		
University Studies: Cluster 4A	<input type="checkbox"/>		3		
University Studies: Cluster 4B	<input type="checkbox"/>		3		
University Studies: Cluster 4C	<input type="checkbox"/>		3		

+ indicates co-requisite

**Total Credits = 128**

<sup>1</sup> This course meets the University Studies Cluster 1D requirement: Mathematics.

<sup>2</sup> Must be chosen from the University Studies cluster 2B (Science in the Engaged Community) approved list ([www.umassd.edu/universitystudies/approvedcourses/](http://www.umassd.edu/universitystudies/approvedcourses/)) and be a BIO, BNG, CHM, or MLS course; or a PHY course numbered above 150. Requirement may not be satisfied by independent study, seminars or internships.

<sup>3</sup> This course meets the University Studies Cluster 2A requirement: Science of the Natural World.

<sup>4</sup> This course meets the University Studies Cluster 1E requirement: Foundation for Learning through Engagement.

<sup>5</sup> This course meets the University Studies Cluster 5B requirement: Learning through Engagement.

<sup>6</sup> This course meets the University Studies Cluster 5A requirement: Capstone Study.

<sup>7</sup> This course meets the University Studies Cluster 1C requirement: Intermediate Writing.