

Name:

ID:

Catalog Year:

For students accepted into the Honors College for Fall 2020 or later, Honors requirements are as follows:

- Maintain an overall university GPA of 3.2 or higher;
- Complete a minimum of 24 Honors credits with a grade of **B** or higher, comprised of:
 - at least 21 credits of coursework¹
 - at least 3 APEX credits, completed under UMD faculty supervision, culminating in a public presentation of this work in an appropriate venue (e.g. Honors Convocation poster session, conference presentation, exhibition, thesis defense).

Honors Course ^{1,3}	# Credits	Semester Completed ³	Grade Earned
EGR 111H (<i>Transfer Students: Honors Elective²</i>)	3		
Honors Elective ²	3		
Honors Elective ²	3		
Honors Elective ²	3		
Honors Elective ²	3		
Honors Elective ²	3		
HON 301 or Honors Elective ²	3		
HON 490 (meets a Technical Elective)	3		

24

Please Note:

¹ No more than six credits may be completed by Honors Contract (courses numbered 200 or higher).

² **Honors Electives:** See course listings in COIN or visit www.umassd.edu/honors/courses/.

* Options vary by semester and are most often chosen from this list (in consultation with your advisor):

* ENL 101H, ENL 102H, ENL 266H

* Honors offerings within University Studies 3A, 3B, 4A, & 4B

* MTH 153H, MTH 154H, MTH 213H, MTH 212H

* ECE 201H, ECE 202H, ECE 311H, ECE 320H, ECE 368H

* With prior approval, up to three Graduate level courses (numbered 500+)

³ **Credit Progression:**

* Students **must** enroll in at least 3 Honors credits during their first semester in the Honors College.

* Thereafter, it is strongly recommended that students complete at least 3 credits per semester, or 6 credits per year, to ensure successful completion of all 24 credits within their degree timeline.

* Students must be aware of the need to plan their Honors studies in advance and they should take full advantage of the academic advising offered by the Honors College.

* It is recommended that students taking HON 301 do so in the Junior year and then begin the APEX by Fall of Senior year.

**BACHELOR OF SCIENCE IN COMPUTER ENGINEERING****FRESHMAN YEAR**

First Semester				Second Semester			
R	L	C		R	L	C	
ENL 101			Critical Writing & Reading I	ENL 102			Critical Writing & Reading II
EGR 111			Intro. Engineering & Computing ¹	ECE 250			Fundamentals of MATLAB
ECE 160			Foundations Comp. Engineering I	ECE 264			Object Oriented Software Devel.
MTH 153			Calculus Applied Science & Eng. I ²	MTH 154			Calculus Applied Science & Eng. II
			University Studies Elective ³	PHY 113			Physics for Science & Eng. I ⁴
			17				17

SOPHOMORE YEAR

First Semester				Second Semester			
R	L	C		R	L	C	
ECE 201			Circuit Theory I	ENL 266			Technical Communications ⁵
ECE 256			Foundations of Cybersecurity	ECE 161			Foundations Comp. Engineering II
ECE 260			Digital Logic & Computer Design	ECE 202			Circuit Theory II
MTH 213			Calculus Applied Science & Eng. III	ECE 263			Embedded System Design
PHY 114			Physics for Science & Eng. II	MTH 212			Differential Equations
			18				17

JUNIOR YEAR

First Semester				Second Semester			
R	L	C		R	L	C	
ECE 311			Digital Electronics	ECE 310			Engineering Ethics
ECE 370			Design/Impl. RT Embedded RMS	ECE 355			Applied Discrete Structures
ECE 388			Embedded System Design Project	ECE 368			Digital Design
MTH 331			Probability	ECE 369			Computer Networks
			University Studies Elective ³				Science Elective ⁶
			16				13

SENIOR YEAR

First Semester				Second Semester			
R	L	C		R	L	C	
ECE 457			Design Project I ⁷	ECE 458			Design Project II ⁸
ECE 320			Discrete-Time Linear Systems				University Studies Elective ³
HON 490			Technical Elective ⁹				Technical Elective ⁹
EGR 303			Engineering Economics ¹⁰				University Studies Elective ³
			12				12

TOTAL CREDITS = 122

R = Recitation (hours)

L = Laboratory (hours)

C = Number of Credits

¹ This course meets the University Studies Cluster 1E requirement: Foundation for Learning through Engagement.² This course meets the University Studies Cluster 1D requirement: Mathematics.³ See University Studies requirements (Clusters 3A, 3B, 4A, and 4B).⁴ This course meets the University Studies Cluster 2A requirement: Science of the Natural World.⁵ This course meets the University Studies Cluster 1C requirement: Intermediate Writing.⁶ Must be chosen from the University Studies cluster 2B (Science in the Engaged Community) approved listwww.umassd.edu/universitystudies/approvedcourses/ and be a BIO, BNG, CHM, MAR, or MLS course; or a PHY course numbered above 150. Requirement may not be satisfied by independent study, seminars or internships.⁷ This course meets the University Studies Cluster 5B requirement: Learning through Engagement.⁸ This course meets the University Studies Cluster 5A requirement: Capstone Study.⁹ Must be taken from approved list of courses.¹⁰ This course meets the University Studies Cluster 4C requirement: The Nature of the Global Society.