

Course Requirements and Registration Priorities
School of Engineering and Digital Sciences (Undergraduate), Summer 2023

#	Abbr	Title	Cr(US)	Cr(ECTS)	PreRequisite	CoRequisite	AntiRequisite	1st priority registration	2nd priority registration	3rd priority registration	4th priority registration
SEDS											
Chemical and Materials Engineering											
1	CHME 400	Process Design and Simulation	3	6	CHME 300 Heat and Mass Transfer (5952) (D and above) AND CHME 304 Chemical Reaction Engineering (6168) (D and above)			4 year UG SEDS Chemical and Materials Engineering, 5 year UG SEDS Chemical and Materials Engineering			
Civil and Environmental Engineering											
2	CEE 200	Structural Mechanics I	3	6				4 year UG SEDS Mechanical Engineering, 4 year UG SEDS Mechanical and Aerospace Engineering	5 year UG SEDS Mechanical Engineering, 5 year UG SEDS Mechanical and Aerospace Engineering		
Computer Science											
3	CSCI 115	Programming Fundamentals	4	8			CSCI 101 Introduction to Computational Sciences (147) (D and above) OR CSCI 111 Web Programming and Problem Solving (110) (D and above) OR CSCI 151 Programming for Scientists and Engineers (192) (D and above) OR ENG 101 Programming for Engineers (4517) (D and above)	SSH, SoM			
4	CSCI 152	Performance and Data Structures	4	8	CSCI 151 Programming for Scientists and Engineers (192) (C- and above) OR ENG 101 Programming for Engineers (4517) (B- and above)			Computer Science, Robotics Engineering, Robotics and Mechatronics	SEDS	SMG, SSH	
5	CSCI 299	Internship I	3	6				Instructor's Permission Required. Registration through Add Course form only!			

6	CSCI 399	Internship II	3	6				Instructor's Permission Required. Registration through Add Course form only!			
7	CSCI 399F	Internship II - F	6	12				Instructor's Permission Required. Registration through Add Course form only!			
Electrical and Computer Engineering											
8	ELCE 201	Circuit Theory	3	6	ELCE 200 Introduction to Electrical Circuits (4991) (C- and above)			3 year UG SEDS Electrical and Computer Engineering	4 year UG SEDS Electrical and Computer Engineering		
9	ELCE 301	Electronic Circuits	3	6	ELCE 201 Circuit Theory (5507) (C- and above)			Instructor's Permission Required. Registration through Add Course form only!			
10	ELCE 399	Internship	3	6				Instructor's Permission Required. Registration through Add Course form only!			
11	ELCE 457	Introduction to Computer Vision	3	6	ENG 101 Programming for Engineers (4517) (C- and above) AND ENG 200 Engineering Mathematics III (Differential Equations and Linear Algebra) (5009) (C- and above)			Instructor's Permission Required. Registration through Add Course form only!			
Mechanical and Aerospace Engineering											
12	ENG 300	Interdisciplinary Project	3	6				Instructor's Permission Required. Registration through Add Course form only!			
13	MAE 300	Fluid Mechanics I	3	6	PHYS 161 Physics I for Scientists and Engineers with Laboratory (116) (D and above)			Instructor's Permission Required. Registration through Add Course form only!			
14	MAE 305	Fluid Mechanics II	3	6	MAE 300 Fluid Mechanics I (5926) (D and above) OR EME 275 Fluid Mechanics I (1988) (D and above)			Instructor's Permission Required. Registration through Add Course form only!			
15	MAE 306	Computer Aided Engineering	3	6	ENG 202 Numerical Methods in Engineering (5506) (D and above) AND MAE 201 Computer Aided Design (5011) (D and above)			Instructor's Permission Required. Registration through Add Course form only!			
Robotics and Mechatronics											
16	ROBT 399	Internship	3	6				Robotics Engineering, Robotics and Mechatronics			