

Course Requirements and Registration Priorities
School of Engineering and Digital Sciences, 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			
2	DCHME 700-0	Thesis Research	0	0				Chemical Engineering			
Civil and Environmental Engineering											
3	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		
4	DCEE 700-0	Thesis Research	0	0				Civil Engineering			
Computer Science											
5	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			
6	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	

7	CSCI 299	Internship I	3	6				Instructor's Permission Required. Registration through Add Course form only!			
8	CSCI 399	Internship II	3	6				Instructor's Permission Required. Registration through Add Course form only!			
9	CSCI 399F	Internship II - F	6	12				Instructor's Permission Required. Registration through Add Course form only!			
10	CSCI 700-0	Thesis Research	0	0				Computer Science			
11	SEDS 503	Laboratory Practicum	3	6	SEDS 502 Teaching Practicum (2824) (P)			Computer Science, Data Science, Robotics			
Electrical and Computer Engineering											
12	DELCE 700-0	Thesis Research	0	0				Electrical Engineering			
13	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		
14	ELCE 301	Electronic Circuits	3	6	ELCE 201 Circuit Theory (5507) (C- and above)			Instructor's Permission Required. Registration through Add Course form only!			
15	ELCE 399	Internship	3	6				Instructor's Permission Required. Registration through Add Course form only!			
16	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											
17	DMAE 700-0	Thesis Research	0	0				Mechanical Engineering			
18	ENG 300	Interdisciplinary Project	3	6				Instructor's Permission Required. Registration through Add Course form only!			
19	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!			
20	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!			

21	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											
22	ROBT 399	Internship	3	6				Robotics Engineering, Robotics and Mechatronics			
23	ROBT 700-0	Thesis Research	0	0				Robotics Engineering			
School of Engineering											
24	DENG 700	Thesis Research	89	178							
25	DENG 700-0	Thesis Research	0	0				Science, Engineering and Technology			
26	DENG 794	Dissertation Research	12	24	DENG 785 PhD Proposal Oral Defence (2604) (P)			Science, Engineering and Technology			