

Scheduling of Technical Emphasis Courses

The following table may be helpful in scheduling the technical electives within the plan of study. The last set of columns indicate possible sequencing of the three courses. Other sequences may also be possible. Course offerings are subject to change, so students should double-check feasibility with respect to prerequisites and scheduling.

Technical Emphasis Areas

				Possible Semester Sequence*				
				6/7/8	7/8/8	7/7/8	5/7/8	5/8/8
Aviation	Suggested Slot	Key Prerequisites	Offered	No	No	Yes	Yes	No
SYST 460	Fall, Jr.	Junior standing	Fall					
SYST 461	Spring, Jr.	SYST 460	Spr.					
SYST 420	Fall, Sr.	OR 441	Fall					
Bioengineering	Suggested Slot	Key Prerequisites	Offered	No	Yes	Yes	Yes	Yes
BENG 230	Fall, Sr.	PHYS 160, MATH 203, 213, 214	Fall					
BENG 330	Spring, Sr.	CS 112, BENG 320, 230, MATH 214	Spr.					
BENG 420	Fall, Sr.	CS 112, BENG 330, STAT 350 or 260	Fall					
Comp. Network	Suggested Slot	Key Prerequisites	Offered	Yes	Yes	Yes	Yes	Yes
SYST 420	Fall, Sr.	OR 441	Fall					
ECE 465	Spring, Sr.	STAT 344, CS 211	Spr.					
TCOM 500	Spring, Sr.	Grad. Standing	Fall / Spr.					
Control	Suggested Slot	Key Prerequisites	Offered	Yes	No	No	Yes	No
ECE 201	Spring, Jr.	MATH 113	Fall / Spr.					
ECE 220/321	Fall, Sr.	ECE 201	Fall / Spr.					
SYST 421	Spring, Sr.	ECE 220	Fall / Spr.					
Data Analytics	Suggested Slot	Key Prerequisites	Offered	Yes	Yes	Yes	Yes	No
IT 214	Fall Jr.	CS 112	Fall / Spr.					
SYST 438	Fall Sr.	SYST 330, STAT 354 (co-req)	Fall					
STAT 463	Spring, Sr.	STAT 354	Spr. 2018, 20, ...					
SYST 468	Spring, Sr.	STAT 344, CS 112	Spr.					
Env. Eng	Suggested Slot	Key Prerequisites	Offered	Yes	No	No	Yes	No
CEIE 240	Fall, Jr.	PHYS 160	Fall / Spr.					
CEIE 355	Spring Jr.	CHEM 211 or 271, CEIE 240	Fall / Spr.					
CEIE 450	Fall, Sr.	CEIE 355	Fall					
CEIE 453	Spring Sr.	CEIE 355	Spr.					
Fincancial	Suggested Slot	Key Prerequisites	Offered	Yes	Yes	No	No	Yes
SYST 438	Fall, Sr.	SYST 330, STAT 354 (co-req)	Fall					
STAT 455	Spring, Sr.	STAT 354	Spr. 2017, 19, ...					
STAT 463	Spring, Sr.	STAT 354	Spr. 2018, 20, ...					
SYST 468	Spring Sr.	STAT 344, CS 112	Spr.					
SYST 488	Spring, Sr.	OR 441	Spr.					
MBUS 304	Spring, Sr.	Sophomore standing	Fall / Spr.					
Mech. Design	Suggested Slot	Key Prerequisites	Offered	Yes	No	No	Yes	No
ME 211	Spring, Jr.	PHYS 160, 161	Fall / Spr.					
ME 212	Fall, Sr.	ME 211	Fall / Spr.					
ME 341	Spring, Sr.	ME 212	Fall / Spr.					
CEIE 210	Spring, Jr.	PHYS 160, MATH 114	Fall / Spr.					
CEIE 310	Fall, Sr.	CEIE 210	Fall / Spr.					
ME 231	Spring, Sr.	ME 211, MATH 214 (co-req)	Fall / Spr.					
Mech. Fluids	Suggested Slot	Key Prerequisites	Offered	Yes	Yes	No	Yes	Yes
ME 221	Spring, Jr.	MATH 214 (co-req)	Fall / Spr.					
ME 322	Fall, Sr.	ME 221	Fall / Spr.					
ME 323	Spring, Sr.	ME 322	Fall / Spr.					
ME 342	Spring, Sr.	ME 221	Fall / Spr.					
OR	Suggested Slot	Key Prerequisites	Offered	Yes	Yes	Yes	Yes	No
OR 481	Spring, Jr.	MATH 203, 213	Fall / Spr.					
SYST 420	Fall, Sr.	OR 441	Fall					
SYST 468	Spring, Sr.	STAT 344, CS 112	Spr.					
Software	Suggested Slot	Key Prerequisites	Offered	Yes	Yes	No	Yes	Yes
CS 310	Spring, Jr.	CS 211, MATH 113	Fall / Spr.					
CS 332	Fall, Sr.	CS 211	Fall					
CS 321	Spring, Sr.	CS 310, ENGH 302	Fall / Spr.					

* 5 = Fall, Jr., 6 = Spring, Jr., 7 = Fall, Sr., 8 = Spring, Sr.

Note: CEIE 210 and CEIE 310 both have 2 hours of lecture and 3 hours of lab (5 hours total) each week.