

Monday	Tuesday	Wednesday	Thursday	Friday
8:30 CIVL 4420 CIVL 4300 MATH 2130 MATH 2132	8:30 CIVL 3710 CIVL 3760 MATH 2130 A02	8:30 CIVL 4420 CIVL 4300 MATH 2130 MATH 2132	8:30 CIVL 3710 CIVL 3760 MATH 2130 A02 STAT 2220	8:30 CIVL 4420 CIVL 4300 MATH 2130 MATH 2132
9:30 CIVL 2800 CIVL 3790 CIVL 4220 GEOL 1340	10:00 CIVL 2840 CIVL 3730 CIVL 4400	9:30 CIVL 2800 CIVL 3790 CIVL 4220 GEOL 1340	10:00 CIVL 3710 CIVL 3760	9:30 CIVL 2800 CIVL 3790 CIVL 4220 GEOL 1340
10:30 CIVL 3750 CIVL 4390		10:30 CIVL 3750 CIVL 4390		10:30 CIVL 3750 CIVL 4390
11:30 ENG 1440 A01/03 CIVL 4380 STAT 2220	11:30 ENG 1440 A02 CIVL 4032 MATH 2130	11:30 ENG 1440 A01/03 CIVL 4380 STAT 2220	11:30 ENG 1440 A02 CIVL 4032	11:30 ENG 1440 A01/03 CIVL 4380 STAT 2220
12:30 CIVL 4000 ENG 3020	12:30 MATH 2130 A02	12:30 CIVL 4000 ENG 2040 A02 ENG 3020	12:30 MATH 2132	12:30 CIVL 4000 ENG 2040 A01 ENG 3020
1:30 CIVL 3730 CIVL 4400 ENG 3000 A02	1:00 CHEM 1110 CIVL 3690 ENG 3000 A01	1:30 CIVL 3730 CIVL 4400 ENG 3000 A02	1:00 CHEM 1110 CIVL 3690 ENG 3000 A01	1:30 CIVL 3730 CIVL 4400 ENG 3000 A02
2:30 CHEM 1126 A01 CIVL 3790 CIVL 4220 ENG 2040 A02	2:30 CIVL 2830 A01 CIVL 2840 B01 CIVL 3690 B01 CIVL 4380	2:30 ENG 2040 A01 CIVL 3750 CIVL 4390 GEOL 1340 B02	2:30 ENG 1440 A02 CIVL 2830 A02 CIVL 2840 B02 CIVL 3690 B02 CIVL 4420 CIVL 4300	2:30 ENG 1440 A01/03 CIVL 2800 CIVL 4000 GEOL 1340 B04
3:30 CHEM 1126 A01 CIVL 3790 CIVL 4220 ENG 2040 A02	4:00 CIVL 2830 A01 CIVL 2840 B01 CIVL 3690 B01	3:30 ENG 2040 A01 CIVL 3750 CIVL 4390 GEOL 1340 B02	4:00 CIVL 2830 A02 CIVL 2840 B02 CIVL 3690 B02	3:30 ENG 1440 A01/03 CIVL 2800 CIVL 4000 GEOL 1340 B04
4:30 CHEM 1126 A01 ENG 2040 A02	4:30 CIVL 4032	4:30 ENG 2040 A01 CIVL 3750 GEOL 1340 B02	4:30 GEOL 1340 B03 ENG 1440 A02	4:30 CIVL 2800 ENG 1440 A01/03 GEOL 1340 B04
	5:30 - 6:45	5:30 - 6:45	5:30 - 6:45	

Colour Codes:

2nd year 3rd year 4th year 5th year Tech Elective Course

offered fall & winter Sections in other depts.

Prerequisites

ENG 1440 A01	Statics	Shalaby	
ENG 1440 A02	Statics	Asadzadeh	
ENG 1440 A03	Statics	TBD	
2nd Year			
MATH 2130	Math Analysis 1		MATH 1710/1700,1210
CIVL 2830	Graphics	Laing	c CIVL 2840
CIVL 2840	CE Geomatics	Bartz	p or c MATH 1210 c CIVL 2830
complete all first year courses			
3rd Year			
CHEM 1110	Interaction, React. & Chem prop		CHEM 1100 or CHEM 1300 (replaced 1310)
CHEM 1126	Intro to Chem Techniques		CHEM 1122 (replaced CHEM 1310)
STAT 2220	Eng Statistics		MATH 1710/1700
CIVL 2800	Solid Mech 1	TBD	MATH 1710/1700, ENG 1440
CIVL 3750	Hydrology	Mantilla	CIVL 2790, p or c STAT 2220
ENG 3000	Eng Economics		MATH 1510/1500
*Indigenous Knowledge Crs OR Complementary Studies Crs			
4th Year			
CIVL 3690	Enviro Eng Analysis	Wang	CHEM 1110+1126 or 1310, p or c ENG 2030/40, STAT 2220
CIVL 3730	Geo Mat Analysis	Blatz	CIVL 2800,2770 GEOL 1340
CIVL 3760	Structural Analysis	Svecova	CIVL 2800
CIVL 3790	Fund Transprt & Traff Eng (TE1)	Mehran	CIVL 2770,2780,2840 STAT 2220
1 tech elective			
5th Year			
CIVL 4220	Geotech Design	Bartz	CIVL 3730
CIVL 4380	Infrastruct & Constr Mgt	Guven Isin	ENG 3000
CIVL 4390	Reinforced Conc Struct	El-Salakawy	CIVL 2770, 3760
CIVL 4400	Transport Eng Des (TE2)	TBD	CIVL 3790
1 tech elective			
ENG 3020	Tech Soc		ENG 2030/2040
Technical Electives - A minimum of five tech electives are required.			
(Applicable Stream(s)) - All listed tech electives qualify for Civil General Program.			
Tech Electives - GROUP A		(Take 3 to 5 courses from Group A)	
CIVL 3710 (GEO/SC/TR)	Finite Elem	Cha	CIVL 2790, 2800, 3590
CIVL 4032 (SC/TR)	Bridge Engineering	Fiorillo	CIVL 2770, CIVL 3760
CIVL 4300 (EW)	Urban Water Systems	Dow	CIVL 2790, p or c CIVL 3750
CIVL 4420 (TR)	Pavement Engineering	Shalaby	p or c CIVL 3790
Tech Electives - GROUP B		(Max 2 courses from Group B - only 1 non CIVL)	
CIVL 4000 (EW/SC/TR)	Uncertainty Analysis	Mehran	CIVL 3590, MATH 2130, STAT 2220
CIVL 4332 (Various)	Thesis Project	Gorczyca	120 credit hours, ENG 2030/40

Technical electives vary from year to year. See website for complete list.

CIVIL ENGINEERING 2024 / 2025 WINTER TERM

Check frequently for updates.

March 27, 2024

5 Year Model

Prerequisites

Monday	Tuesday	Wednesday	Thursday	Friday
8:30 CIVL 3740 MATH 2130 MATH 2132	8:30 GEOL 1340 CIVL 4360 BIOE 4560	8:30 CIVL 3740 MATH 2130 MATH 2132	8:30 GEOL 1340 CIVL 4360 BIOE 4560	8:30 CIVL 3740 MATH 2130 MATH 2132
9:30 CIVL 2780 CIVL 4030 CIVL 4180	10:00 CIVL 2790 CIVL 3690 CIVL 3700	9:30 CIVL 2780 CIVL 4030 CIVL 4180	10:00 CIVL 2790 ENG 3000 A02 CIVL 3690 CIVL 3700	9:30 CIVL 2780 CIVL 4030 CIVL 4180
10:30 ENG 1440 A01 CIVL 3590 CIVL 4232	10:30 ENG 3000 A02 CIVL 3690 CIVL 3700	10:30 ENG 1440 A01 CIVL 3590 CIVL 4232	10:30 CIVL 2790 ENG 3000 A02 CIVL 3690 CIVL 3700	10:30 ENG 1440 A01 CIVL 3590 CIVL 4232
11:30 CIVL 2770 CIVL 3770 ENG 3020 A01	11:30 ENG 1440 A02 MATH 2132 CIVL 3740 CIVL 4028 CIVL 4500 T5	11:30 CIVL 2770 CIVL 3770 ENG 3020 A01	11:30 ENG 1440 A02 CIVL 2780 CIVL 3700 MATH 2130	11:30 CIVL 2770 CIVL 3770 ENG 3020 A01
12:30 CIVL 4028 CIVL 4500 T5	1:00 ENG 3000 A01 CIVL 3770	12:30 ENG 2040 A02 CIVL 4028 CIVL 4500 T5	1:00 ENG 3000 A01 STAT 2220 CIVL 4232	12:30 ENG 2040 A01 CIVL 4028 CIVL 4500 T5
1:30 CIVL 4020 CIVL 4500 T7 ENG 3020 A02 STAT 2220	2:30 ENG 2040 A02 CIVL 2770 B01 BIOE 4560 CIVL 4360	2:30 ENG 2040 A01 CIVL 2770 B02 CIVL 4030 CIVL 4180	2:30 CIVL 2790 CIVL 3690 CIVL 4590 ENG 1440 A02	2:30 ENG 1440 A01 GEOL 1340 B04 CIVL 4020 CIVL 4500 T7
3:30 ENG 2040 A02 CIVL 2770 B01 BIOE 4560 CIVL 4360	4:00 CIVL 4590	3:30 ENG 2040 A01 CIVL 2770 B02 CIVL 4030 CIVL 4180	4:00 CIVL 2790 CIVL 3690 CIVL 4590 ENG 1440 A02	3:30 ENG 1440 A01 GEOL 1340 B04 CIVL 4020 CIVL 4500 T7
4:30 ENG 2040 A02 CIVL 2770 B01		4:30 ENG 2040 A01 CIVL 2770 B02		4:30 GEOL 1340 B04 ENG 1440 A01
5:30 - 6:45	5:30 - 6:45 CIVL 4590	5:30 - 6:45	5:30 - 6:45 CIVL 4590	

ENG 1440 A01 ENG 1440 A02	Eng Statics Eng Statics	Fiorillo TBD	
2nd Year CIVL 2790	Fluid Mech	Mantilla	ENG 1440, MATH 1710/1700
ENG 2040 GEOL 1340 - B04 MATH 2132	Engineering Comm Dynamic Earth Math Analysis 2		Written English, ENG 1430 MATH 1710/1700, MATH 1210
3rd Year CIVL 2770 CIVL 2780 CIVL 3590 CIVL 3740 ENG 3000	CE Materials CE Systems Num Methods Hydraulics Eng Economics	Bassuoni Rajulapati Rajulapati Clark	ENG 1440, CIVL 2800 MATH 1710/1700 COMP 1012, p or c MATH 2132 CIVL 2790 MATH 1510/1500
4th Year CIVL 3690	Enviro Eng Analysis	Gorczyca	CHEM 1110+1126 or 1310, p or c ENG 2030/40, STAT 2220
CIVL 3700 CIVL 3770 1 or 2 tech electives	Enviro Eng Des Des of Steel Struc	Yuan Cha	CIVL 3690 CIVL 2770, 3760
5th Year ENG 3020 A01 CIVL 4590 1 or 2 tech electives	Tech Soc Design Project	Blatz & Lau	ENG 2030/2040 120 credit hrs, ENG 2030/40 and one of (CIVL 3700,3740,3770,4220,4400)
Technical Electives All Tech electives qualify for Civil general program. (Take 5 in total)			
(Applicable Stream(s))			
Technical Electives - GROUP A (all five tech elects can be from group A)			
CIVL 4020 (SC)	Masonry	Svecova	CIVL 2770, 3760
CIVL 4028 (SC)	Bldg Info Model in Const	Guven Isin	ENG 3000
CIVL 4030 (SC)	Advanced Structural Des	El-Salakawy	p or c CIVL 3770
CIVL 4180 (EW)	Environmental Systems	Yuan	CIVL 2780, 3690,3750
CIVL 4232 (GEO)	Geotech Earthquake Eng	Alfaro	CIVL 3730
CIVL 4360 (EW)	Water Resource Planning a	Asadzadeh	CIVL 2780, 3590 p or c 3750
CIVL 4500 T05 (EW)	Chem Reac in Water Treat	Wang	CIVL 3690
CIVL 4500 T07 (??)	Climate Change & Civil Eng	Lee	????
Technical Electives - GROUP B - (Max 2 courses from Group B - only 1 non CIVL)			
CIVL 4332 (Various)	Thesis Project	Regehr	120 credit hours, ENG 2010/30/40
BIOE 4560 (SC)	Wood Design	Delijani	p or c CIVL 3770

Technical electives vary from year to year. See website for complete list.