

Monday	Tuesday	Wednesday	Thursday	Friday
8:30 CIVL 4300 MATH 2130 MATH 2132	8:30 CIVL 3710 CIVL 3760 MATH 2130 A02	8:30 CIVL 4300 MATH 2130 MATH 2132	8:30 CIVL 3710 CIVL 3760 MATH 2130 A02 STAT 2220	8:30 CIVL 4300 MATH 2130 MATH 2132
9:30 CIVL 2800 CIVL 3790 CIVL 4220 GEOL 1340	10:00 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 PHIL 2750* STAT 2220	11:30 ENG 1440 A02 CIVL 2840 CIVL 3690 MATH 2130 A02	11:30 ENG 1440 A01/03 CIVL 4380 PHIL 2750* STAT 2220	11:30 ENG 1440 A02 CIVL 3690 MATH 2130 MATH 2132	11:30 ENG 1440 A01/03 CIVL 4380 PHIL 2750* STAT 2220
12:30 CIVL 4200 ENG 3020 ENG 3000 A02	1:00 CHEM 1310 CIVL 4420	12:30 ENG 2040 A02 CIVL 4200 ENG 3020 ENG 3000 A02	1:00 CHEM 1310 CIVL 4420	12:30 ENG 2040 A01 CIVL 4200 ENG 3020 ENG 3000 A02
1:30 CIVL 3730 CIVL 4400	ENG 3000 A01	1:30 CIVL 3730 CIVL 4400	ENG 3000 A01	1:30 CIVL 3730 CIVL 4400
2:30 CHEM 1310 B01 CIVL 3790 CIVL 4220	2:30 CIVL 2830 A01 CIVL 2840 B01 CIVL 3690 B01 CIVL 4380 GEOL 1340 B01	2:30 ENG 1440 A02 ENG 2040 A01 CIVL 2800 CIVL 4390 GEOL 1340 B02	2:30 CIVL 2830 A02 CIVL 2840 B02 CIVL 3690 B02 CIVL 4420 GEOL 1340 B03	2:30 ENG 1440 A01/03 CIVL 3750 CIVL 4300
3:30 CHEM 1310 B01 CIVL 3790 CIVL 4220	4:00 CIVL 2830 A01 CIVL 2840 B01 CIVL 3690 B01 GEOL 1340 B01 CIVL 4200	3:30 ENG 1440 A02 ENG 2040 A01 CIVL 2800 CIVL 4390 GEOL 1340 B02	4:00 CIVL 2830 A02 CIVL 2840 B02 CIVL 3690 B02	3:30 ENG 1440 A01/03 CIVL 3750 CIVL 4300
4:30 CHEM 1310 B01 ENG 2034 A02	GEOL 1340 B01	4:30 ENG 2040 A01 CIVL 2800	GEOL 1340 B03	4:30 CIVL 3750
	5:30 - 6:45 CIVL 4200	5:30 - 6:45	5:30 - 6:45 ENG 2040 A02	

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	Bassouni	
ENG 1440 A02	Statics	Mady	
ENG 1440 A03	Statics	Fiorillo	
2nd Year			
MATH 2130	Math Analysis 1		MATH 1710,1210 c CIVL 2840
CIVL 2830	Graphics	Laing	
CIVL 2840	CE Geomatics	Regehr	p or c MATH 1210 c CIVL 2830
complete all first year courses			
3rd Year			
CHEM 1310	Physical Chem		CHEM 1300
STAT 2220	Eng Statistics		MATH 1710/1700
CIVL 2800	Solid Mech 1	Maghoul	MATH 1710 or 1700, ENG 1440
CIVL 3750	Hydrology	Holländer	p or c STAT 2220
ENG 3000	Eng Economics		(replaced CIVL 4050)
1 complementary elective: Arts/Managmnt course* OR PHIL 2750 (Enviro Opt)			
4th Year			
CIVL 3690	Enviro Eng Analysis	Gorczyca	CHEM 1310, ENG 2030/40, STAT 2220
CIVL 3730	Geo Mat Analysis	Alfaro	CIVL 2800,2770 GEOL 1340
CIVL 3760	Structural Analysis	Svecova	CIVL 2800
CIVL 3790	Transp Eng 1	Mehran	CIVL 2770,2780,2840 STAT 2220
1 tech elective			
5th Year			
CIVL 4220	Geotech Design	Blatz	CIVL 3730
CIVL 4380	Infrastructure	Bali	CIVL 4050 or ENG 3000
CIVL 4390	Struct Design 2	El-Salakawy	CIVL 2770,2800, 3760, 3770
CIVL 4400	Trans Eng 2	Regehr	CIVL 3790
1 tech elective			
ENG 3020	Tech Soc		Written English Crse (replaced CIVL 4460)
Technical Electives - GROUP A		(Take 5 elective courses in total)	
CIVL 3710	e Finite Elem	Cha	CIVL 2790, 2800, 3590
CIVL 4200	e Groundwater Contam	Holländer	GEOL 1340, CIVL 2790, p or c 3690
CIVL 4300	e Urban Water	Dow	CIVL 2790, p or c CIVL 3750
CIVL 4420	Highway Pavement	Shalaby	p or c CIVL 3790
Technical Electives - GROUP B		(Max 2 courses from Group B - only 1 non CIVL)	
CIVL 4332	e Thesis Project	Svecova	120 credit hours, ENG 2030/40

[link to Tech electives](#) [*link to Complementary elective - Arts/Mgnt](#)

***Complementary Elective - Arts or Management Course:**
Regular program: 1 course in Arts or Mgmt (3 ch)
Environmental Option: PHIL 2750 Envir Ethics
 See Civil Web Page for information on Complementary Electives (Arts/Mgnt course).
 Technical electives vary from year to year. See website for complete listing.

CIVIL ENGINEERING 2020 / 2021

WINTER TERM

Monday	Tuesday	Wednesday	Thursday	Friday
8:30 CIVL 3740 MATH 2130 MATH 2132	8:30 GEOL 1340 BIOE 4560 CIVL 4360	8:30 CIVL 3740 MATH 2130 MATH 2132	8:30 GEOL 1340 BIOE 4560 CIVL 4360	8:30 CIVL 3740 MATH 2130 MATH 2132
9:30 CIVL 2780 CIVL 4180 CIVL 4500 T03	10:00 CIVL 2790 ENG 3000 A02 CIVL 3700	9:30 CIVL 2780 CIVL 4180 CIVL 4500 T03	10:00 CIVL 2790 ENG 3000 A02 CIVL 3700	9:30 CIVL 2780 CIVL 4180 CIVL 4500 T03
10:30 ENG 1440 A01 CIVL 3590 CIVL 4232	11:30 ENG 1440 A02 MATH 2132 CIVL 3740 CIVL 4180 CIVL 4500 T03	10:30 ENG 1440 A01 CIVL 3590 CIVL 4232	11:30 ENG 1440 A02 CIVL 2780 CIVL 3700 MATH 2130	10:30 ENG 1440 A01 CIVL 3590 CIVL 4232
11:30 CIVL 2770 CIVL 3770 ENG 3020 A01	12:30 CIVL 4500 T01	11:30 CIVL 2770 CIVL 3770 ENG 3020 A01	12:30 ENG 2030 CIVL 4500 T01	11:30 CIVL 2770 CIVL 3770 ENG 3020 A01
12:30 CIVL 4500 T01	1:00 ENG 3000 A01 CIVL 3770	12:30 ENG 2030 CIVL 4500 T01	1:00 ENG 3000 A01 STAT 2220 CIVL 4232	12:30 ENG 2040 CIVL 4500 T01
1:30 CIVL 4120 CIVL 4500 T02 ENG 3020 A02 STAT 2220	2:30 ENG 2030 CIVL 2770 B01 CIVL 4120 CIVL 4500 T02	1:30 CIVL 4120 CIVL 4500 T02 ENG 3020 A02 STAT 2220	2:30 CIVL 2790 CIVL 3590 B01 CIVL 4590	1:30 CIVL 4120 CIVL 4500 T02 ENG 3020 A02 STAT 2220
2:30 ENG 2030 CIVL 2770 B01 CIVL 4120 CIVL 4500 T02	3:30 ENG 2030 CIVL 2770 B01 CIVL 4120 CIVL 4500 T02	2:30 ENG 2040 CIVL 2770 B02 BIOE 4560 CIVL 4360 ENG 1440 A02	3:30 ENG 1440 A01 GEOL 1340 B04 CIVL 4500 T01	2:30 ENG 1440 A01 GEOL 1340 B04 CIVL 4500 T01
3:30 ENG 2030 CIVL 2770 B01 CIVL 4120 CIVL 4500 T02	4:00 CIVL 3590 B02 CIVL 4590	3:30 ENG 2040 CIVL 2770 B02 BIOE 4560 CIVL 4360 ENG 1440 A02	4:00 CIVL 2790 CIVL 3590 B01 CIVL 4590	3:30 ENG 1440 A01 GEOL 1340 B04 CIVL 4500 T01
4:30 ENG 2030 CIVL 2770 B01 CIVL 4120	5:30 - 6:45 CIVL 4590	4:30 ENG 2040 CIVL 2770 B02	5:30 - 6:45 CIVL 4590	4:30 GEOL 1340 B04
5:30 - 6:45	5:30 - 6:45 CIVL 4590	5:30 - 6:45	5:30 - 6:45 CIVL 4590	

Course number changes:

CIVL 4460 changed to ENG 3020, CIVL 4050 changed to ENG 3000, GEOL 2250 changed to GEOL 1340

Check frequently for updates.
Updated January 19, 2021

ENG 1440 A01	Eng Statics	Grande
ENG 1440 A02	Eng Statics	Mady

2nd Year

CIVL 2790	Fluid Mech	Clark	ENG 1440, MATH 1710/1700 Written English, ENG 1430
ENG 2030/2040	Engineering Comm		
GEOL 1340 - B04	Dynamic Earth		MATH 1710/1700, MATH 1210
MATH 2132	Math Analysis 2		

3rd Year

CIVL 2770	CE Materials	Alfaro	ENG 1440; CIVL 2800
CIVL 2780	CE Systems	Asadzadeh	MATH 1710/1700
CIVL 3590	Num Methods	Bartz	COMP 1012, p or c MATH 2132
CIVL 3740	Hydraulics	Dow	CIVL 2790
ENG 3000 A01	Eng Economics		(replaced CIVL 4050)

4th Year

CIVL 3700	Enviro Eng Des	Sadmour/Bazri	CIVL 3690
CIVL 3770	Struct Design 1	Cha	CIVL 2770, 3760
1 or 2 tech electives			

5th Year

ENG 3020 A01	Tech Soc		Written English Course (replaced CIVL 4460)
CIVL 4590	Design Project	Blatz/Lau	ENG 2010/30/40, CIVL 2840, 3690, 3730 CIVL 3740, 3750, 3770, 3790
1 or 2 tech electives			

Technical Electives All Tech electives qualify for Civil program.
(Take 5 in total) e = Course also qualifies for environmental option.

Technical Electives - GROUP A

CIVL 4120	e Water Treat Plnt	Gorczyca	CIVL 3690
CIVL 4180	e Environmental Sys	Yuan	CIVL 2780, 3690, 3750
CIVL 4232	Geo Earthquake Eng	Maghoul	CIVL 3730
CIVL 4360	e Water Res Plan & Mgt	Asadzadeh	CIVL 2780, 3590, p or co 3750
CIVL 4500 T02	Sustainable Cons	Quaigrain	CIVL 2780, ENG 3000
CIVL 4500 T03	Bridge Design	Fiorillo	CIVL 3760

Technical Electives - GROUP B - (Max 2 courses from Group B - only 1 non CIVL)

CIVL 4332	e Thesis Project	Svecova	120 credit hours, ENG 2010/30/40
CIVL 4500 T01	e Statistical Methods	Mehran	CIVL 3590, MATH 2130, STAT 2220
BIOE 4560	Wood Design	Delijani	pre or co CIVL 3770

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Environmental Option: PHIL 2750 Envir Ethics
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[link to Tech electives](#)

[link to Complementary elective - Arts/Mngmnt](#)

5 Year Model

Prerequisites