

Last Name _____

First Name _____

Student ID _____

Advisor _____

Local Phone _____

E-mail _____

File Copy

Student Copy

Suggested Course Sequence

Freshman Year

<u>Fall</u>		<u>Grade</u>
ETCE 1121	Construction Methods	3 _____
ENGL 1101	English Composition	3 _____
ETGR 1100	Engineering Computer Applications	3 _____
ETGR 1201	Intro to Engineering Technology	2 _____
ETGR 1103	Technical Drawing I	2 _____
MATH 1100	College Algebra & Probability	3 _____
Total		16

Freshman Year

<u>Spring</u>		<u>Grade</u>
ETCE 1211	Surveying I	3 _____
ETCE 1211L	Surveying I Laboratory	0 _____
ETCE 1222	Construction Materials	3 _____
ETCE 1222L	Construction Materials Laboratory	0 _____
CMET 1680	Professional Development I	1 _____
ENGL 1102	Writing in the Academic Community	3 _____
ETGR 1104	Technical Drawing II	2 _____
MATH 1103	Precalc Math for Sci. & Eng.	3 _____
Total		15

Sophomore Year

<u>Fall</u>		<u>Grade</u>
ETCE 2112	Construction Surveying & Layout	3 _____
ETCE 2112L	Construction Surveying & Layout Lab	0 _____
ETGR 2101	Applied Mechanics I	3 _____
Science Elective	GEOL 1200 / CHEM 1111 or 1251 ^(a)	3 _____
MATH 1121	ET Calculus	3 _____
PHYS 1101	Introductory Physics I	3 _____
PHYS 1101L	Introductory Physics I Laboratory	1 _____
Total		16

Sophomore Year

<u>Spring</u>		<u>Grade</u>
ETCE 2410	Intro. to Environmental Eng. Tech.	3 _____
CMET 2680	Professional Development II	1 _____
ETGR 2102	Applied Mechanics II	3 _____
PHYS 1102	Introductory Physics II	3 _____
PHYS 1102L	Introductory Physics II Laboratory	1 _____
STAT 1220	Elements of Statistics I	3 _____
Social Science:	ANTH 1101; GEOG 1105;	3 _____
ECON 1101 or 2101; POLS 1110; SOCY 1101		
Total		17

Junior Year

<u>Fall</u>		<u>Grade</u>
ETCE 3131	Foundations & Earthwork	3 _____
ETCE 3131L	Soil Testing Laboratory (W)	1 _____
ETCE 3163	Structural Analysis & Design I	3 _____
ETCE 3163L	Structures & Materials Lab (W)	1 _____
ETGR 3222	Engineering Economics	3 _____
LBST 110X	Arts & Society	3 _____
ETGR 3071	ET Professional Seminar	1 _____
Total		15

Junior Year

<u>Spring</u>		<u>Grade</u>
CMET 3224	Construction Project Administration	3 _____
ETCE 3242	Hydraulics and Hydrology	3 _____
ETCE 3242L	Hydraulics Laboratory (W)	1 _____
ETCE 3264	Structural Analysis II	3 _____
CMET 3680	Professional Development III	1 _____
ETGR 3171	Engineering Analysis I	3 _____
LBST 2101	Western Culture & History	3 _____
Total		17

Senior Year

<u>Fall</u>		<u>Grade</u>
Science Elective:	GEOL 1200 / CHEM 1111 or 1251 ^(a)	3 _____
Science Lab ^(a) :	GEOL 1200L / CHEM 1111L or 1251L	1 _____
ETCE 4165	Structural Steel Design	3 _____
Major Elective ^(b)	_____	3 _____
Major Elective Lab (W) ^(b)	_____	1 _____
ETCE 4251	Highway Design & Construction	3 _____
LBST 2102	Global Connections	3 _____
Total		17

Senior Year

<u>Spring</u>		<u>Grade</u>
LBST 221X	Ethical & Cultural Critique	3 _____
ETCE 4266	Reinforced Concrete Design	3 _____
ETCE 4272	Capstone Project (W,O)	2 _____
CMET 4680	Professional Development IV	1 _____
ETCE 4143	Water & Wastewater Systems	3 _____
Major Elective ^(b)	_____	3 _____
Total		15

Footnotes:

(a) Science elective courses are chosen jointly by student and advisor from CHEM 1111 or CHEM 1251 or GEOL 1200. Student must complete one chemistry course and geology. One of the courses must include the corresponding laboratory course CHEM 1111L, CHEM 1251L or GEOL 1200L.

(b) Major elective courses are chosen jointly by student and advisor from the course list approved by the Department as major electives. Other courses related to the student's professional interests and career goals may be considered but all such requests to take alternative major elective courses must be approved in writing by the ET Department.

<u>SEM & YR</u>	<u>Course #</u>	<u>Course Name</u>	<u>Sem Hr</u>	<u>Grade</u>	<u>Pre / Corequisites</u>	<u>Elective/ Equivalent #</u>
Mathematics (15 credit hours)						
_____	MATH 1100	College Algebra & Probability	3	_____		_____
_____	MATH 1103	Precalculus for Science & Eng.	3	_____		_____
_____	MATH 1121	ET Calculus	3	_____	MATH 1100* or 1103*	_____
_____	STAT 1220	Elements of Statistics I	3	_____		_____
_____	ETGR 3171	Engineering Analysis I	3	_____	MATH 1121	_____
Physical & Natural Sciences (15 credit hours)						
_____	PHYS 1101	Introductory Physics I	3	_____		_____
_____	PHYS 1101L	Introductory Physics I Laboratory	1	_____		_____
_____	PHYS 1102	Introductory Physics II	3	_____	PHYS 1101*	_____
_____	PHYS 1102L	Introductory Physics II Laboratory	1	_____	PHYS 1101L*	_____
_____	Science Elective ^(a)	GEOL 1200	3	_____		_____
_____	Science Elective ^(a)	CHEM 1111 or 1251	3	_____		_____
_____	Science Elective Lab ^(a)	GEOL1200L/CHEM 1111L or 1251	1	_____		_____
Communications (6 credit hours)						
_____	ENGL 1101	English Composition	3	_____		_____
_____	ENGL 1102	Writing in the Academic Comm.	3	_____		_____
Social Sciences and Humanities (15 credit hours)						
_____	LBST 110X	Arts & Society (choose 1)	3	_____		_____
_____	LBST 2101	Western Culture & History	3	_____		_____
_____	LBST 2102	Global Connections	3	_____		_____
_____	LBST 221X	Ethical and Cultural Critique	3	_____		_____
_____	Social Science Elective		3	_____		_____
Professional Development (5 credit hours)						
_____	CMET 1680	Professional Development I	1	_____	Freshman	_____
_____	CMET 2680	Professional Development II	1	_____	Sophomore	_____
_____	CMET 3680	Professional Development III	1	_____	Junior	_____
_____	CMET 4680	Professional Development IV	1	_____	Senior	_____
_____	ETGR 3071	ET Professional Seminar (W)	1	_____	Junior	_____
Technical Core Requirements (72 credit hours)						
_____	ETGR 1100	Eng Tech Computer Applications	3	_____		_____
_____	ETGR 1103	Technical Drawing I	2	_____		_____
_____	ETGR 1104	Technical Drawing II	2	_____	ETGR 1103*	_____
_____	ETGR 1201	Intro to Engineering Technology	2	_____		_____
_____	ETGR 2101	Applied Mechanics I	3	_____	MATH 1103*	_____
_____	ETGR 2102	Applied Mechanics II	3	_____	ETGR 2101*	_____
_____	ETGR 3222	Engineering Economics	3	_____		_____
_____	ETCE 1121	Construction Methods	3	_____		_____
_____	ETCE 1211	Surveying I	3	_____	<i>MATH 1103*, ETCE 1211L</i>	_____
_____	ETCE 1211L	Surveying I Laboratory	0	_____	<i>ETCE 1211</i>	_____
_____	ETCE 1222	Construction Materials	3	_____	<i>ETCE 1222L</i>	_____
_____	ETCE 1222L	Construction Materials Laboratory	0	_____	<i>ETCE 1222</i>	_____
_____	ETCE 2112	Construction Surveying & Layout	3	_____	<i>ETCE 1211*, ETCE 2112L</i>	_____
_____	ETCE 2112L	Const. Surveying & Layout Lab	0	_____	<i>ETCE 2112</i>	_____
_____	ETCE 2410	Intro to Environmental Eng Tech	3	_____	MATH 1103* & ETGR 2101*	_____
_____	ETCE 3131	Foundations & Earthworks	3	_____	ETGR 2102	_____
_____	ETCE 3131L	Soil Testing Laboratory (W)	1	_____	<i>ETCE 3131</i>	_____
_____	ETCE 3163	Structural Analysis & Design I	3	_____	ETGR 2102	_____
_____	ETCE 3163L	Structures & Materials Lab (W)	1	_____	<i>ETCE 3163</i>	_____
_____	ETCE 3242	Hydraulics & Hydrology	3	_____	ETGR 2102 & ETCE 2410	_____
_____	ETCE 3242L	Hydraulics Laboratory (W)	1	_____	<i>ETCE 3242</i>	_____
_____	ETCE 3264	Structural Analysis II	3	_____	ETCE 3163 & MATH 1121	_____
_____	ETCE 4143	Water & Wastewater Systems	3	_____	ETCE 3242 & <i>CHEM 1111/1251</i>	_____
_____	ETCE 4165	Structural Steel Design	3	_____	ETCE 3163	_____
_____	ETCE 4251	Highway Design & Construction	3	_____	ETCE 2112	_____
_____	ETCE 4266	Reinforced Concrete Design	3	_____	ETCE 3163	_____
_____	ETCE 4272	Capstone Project (W,O)	2	_____	Senior	_____
_____	CMET 3224	Construction Project Admin	3	_____	Junior	_____
_____	Major Elective ^(o)		3	_____		_____
_____	Major Elective ^(o)		3	_____		_____
_____	Major Elective Lab ^(o)		1	_____		_____

Course in *italics* can be taken as a corequisite

* = grade of C or better

Grand Total Hours

_____ (*128 credit hours*)