

Name: \_\_\_\_\_ Advisor: \_\_\_\_\_  
 SSN: \_\_\_\_\_ Date: \_\_\_\_\_

**2005-06 Model Schedule: Civil Engineering Technology (B.S.)**

	Course	Notes and Prerequisites	Credits
Freshman First Semester	CIVL 2210	Light Construction	4
	MATH 1101	Applied Tech. Math I	3
	INFO 1100	Comp. Concepts & Appls.	3
	SPCH 1100	Intro to Speech Comm.	3
	ENGL 1104	Written English I	3
		ACT 18/ENGL 0097	
			16
Freshman Second Semester	CIVL 2200	Intro. to Surveying	3
	MATH 1102	Applied Tech. Math II	3
	DRFT 2200	Fundamentals of CAD	3
	CIVL 2220	Construction Materials	4
	MECH 1100	Statics	3
		MATH 1101 or consent "C" in MATH 1101 INFO 1100, DRFT 1100 CIVL 2210, MATH 1101 CR: MATH 1102	
			16
Sophomore First Semester	ENGL 1108	Written English II	3
	OR		
	ENGL 1109	Tech. Report Writing	3
	CIVL 2240	Const., Land & Rt. Surv.	3
	CHEM 1101	General Chemistry I	4
	TECH 2290	Engineering Analysis I	4
MECH 2200	Strength of Materials	4	
		"C" in ENGL 1104 "C" in ENGL 1104 CIVL 2200, INFO 1100 "C" in MECH 1100, MATH 1102	
			18
Sophomore Second Semester	CIVL 2230	Construction Est.	3
	CIVL 2280	Environ. Eng. Tech. I	3
	CIVL 2290	Intro. to Structures	3
	CVIL 2275	Civil Eng. Graphics	3
	ECON 2200	Economics	3
	INTR 1199	Intro Geographic Info Systems	4
		CIVL 2220, INFO 1100 CHEM 1101, CR: TECH 2290 MECH 2200 DRFT 2200	
			17
Junior First Semester	CIVL 3305	Hydraulics & Hydrology	3
	TECH 3300	Engineering Analysis II	4
	PHYS 1101	Intro. to Physics I	4
	ENGL 1108	Written English II	3
	OR		
ENGL 1109	Tech. Report Writing	3	
		INFO 1100, TECH 2290, "C" in TECH 2290 or MATH 1185 "C" in ENGL 1104 "C" in ENGL 1104	
			14
Junior Second Semester	CIVL 3340	Soil Mech. & Envir. Geo.	4
	CIVL 4440	Structural Design	3
	CHEM 1102	General Chemistry II	4
	OR		
	PHYS 1102	Intro. to Physics II	3
L.S. Civ.		3	
L.S. Art.		3	
		MECH 2200, CIVL 2280 CIVL 2290 CHEM 1101 PHYS 1101	
			17
Senior First Semester	CIVL 4410	Adv. Structural Analysis	3
	CIVL 4460	Environ. Eng. Tech. II	3
	CIVL 4470	Adv. Soil Mechanics	3
	L.S. Civ.		3
	MECH 3320	Dynamics	3
		CIVL 2290, TECH 3300 CIVL 2280, TECH 3300 CIVL 3340 MECH 1100, TECH 2290	
			15
Senior Second Semester	CIVL 4420	Constr. Planning & Adm.	3
	L.S. Civ.		3
	L.S. Art.		3
	L.S. Hum.		3
CIVL 4400	Highway Design**	3	
		CIVL 2230 TECH 2290 or MATH 1185	
			15

Students who have not demonstrated drafting skills equivalent to DRFT 1100 must complete DRFT 1100 prior to enrolling in DRFT 2200.

**\*\*Not required for Environmental Emphasis**

**Additional Environmental Emphasis Requirements**

Semester 7 (18 hours total)

SFTY 2201 Safety and Environmental Components of Industry (PR: NONE)	3 hrs.
or	
SFTY 3325 Environmental Hazard Control (PR: CHEM 1102)	3 hrs.

Semester 8 (16 hours total)

SFTY 3350 Environmental Engineering Technology: Hazardous Waste (PR: CHEM 1102)	4 hrs.
or	
SFTY 4450 Environmental Engineering Technology: Air (PR: CHEM 1102 & SFTY 2201, SFTY 3325)	4 hrs.

LEGEND:

^	See catalog or program requirements for further details
*	Offered fall semester only
**	Offered spring semester only
c	Classes to be taken concurrently
#	Must have senior standing to enroll
##	Must have junior or senior standing to enroll
m	Major restriction
+	See catalog for additional prerequisites
a	Advisor approval needed
PPST	PPST must be successfully completed to enroll
/	or
~	First semester second field option is foreign language
>	Even-numbered fall semesters only
<	Odd-numbered spring semesters only

L.S. Art.	Liberal Studies--Artistic/Creative/Interdisciplinary elective
L.S. Civ.	Liberal Studies--Culture/Civilization Exploration elective
L.S. Hum.	Liberal Studies--Society/Human Interaction elective
L.S. Science	Liberal Studies--Scientific Discovery elective
L.S. Math	Liberal Studies--College-level Math elective
L.S. FYE	First-Year Experience course

**Civil Engineering Tech B.S.E.T.**  
**Bachelor of Science Degree Requirements**  
 Program Effective Fall 2003 – Catalog Year 2004-2005



Name: \_\_\_\_\_

Minor: \_\_\_\_\_ (OPTIONAL)

<b>REQUIRED MAJOR COURSES (101 hours)</b>					
<b>Technical Specialty Courses</b>					
CHEM 1101 General Chemistry I	4		CIVL 4410 Structural Analysis	3	
PHYS 1101 Intro to Physics I	4		CIVL 4420 Construction Planning & Admin.	3	
CHEM 1102 General Chemistry II OR	4		CIVL 4440 Structural Design	3	
PHYS 1102 Intro to Physics II			CIVL 4460 Environmental Eng. Tech. II	3	
CIVL 2200 Intro to Surveying	3		CIVL 4470 Advanced Soil Mechanics and Foundation Design	3	
CIVL 2210 Light Construction	4		DRAF 2200 Fundamentals of CAD	3	
CIVL 2220 Construction Mater. & Meth.	4		ECON 2200 Economics	3	
CIVL 2230 Construction Estimating	3		ENGL 1109 Technical Report Writing	3	
CIVL 2240 Construction, Land and Route Surveying	3		INFO 1100 Comp. Concepts & App.	3	
CIVL 2275 Civil Engineering Graphics			MATH 1101 Applied Technical Math I	3	
CIVL 2280 Environmental Eng. Tech I	3		MATH 1102 Applied Technical Math II	3	
CIVL 2290 Intro to Structures	3		MECH 1101 Statics	3	
CIVL 3305 Hydraulics & Hydrology	3		MECH 2200 Strength of Materials	4	
CIVL 3340 Soil Mechanics and Environmental Geotechnics	4		MECH 3320 Dynamics	3	
CIVL 4400 Highway Design & Transportation		3		TECH 2290 Engineering Analysis I	4
				TECH 3300 Engineering Analysis II	4
			TECH Technology Elective	2	

<b>LIBERAL STUDIES REQUIREMENTS (27 hours)</b>					
(Please refer to liberal studies requirement sheet for specified classes under each category)					
Met by Major Requirements		Hours To Complete	Met by Major Requirements		Hours To Complete
<b>6 hrs</b>	The First Year Experience	9	<b>3 hrs</b>	Society /Human Interactions	3
<b>8 hrs</b>	Scientific Discovery	-		Artistic/Creative Expression & Interdisciplinary/Advanced Studies Option	6
	Cultural/Civilization Exploration	9		Writing Intensive Course*	3

\*The WIT course requirement may be met by another section of liberal studies.