Program Map: Civil Engineering Technology Engineering Technology Department, College of Science and Technology

	Date:	SID: Catalog Date:			Advisor: Expected Graduation Date:		
		Fall Courses			Spring Courses		Notes
	Course	Name	Hours	Course	Name	Hours	
	ENGL 1101* Core Area A	Composition I Pre-requisite: None	3	ENGL 1102* Core Area A	Composition II Pre-requisite: ENGL 1101	3	*A grade of C or better must be earned for this course
Freshman	MATH 1113*	Pre-Calculus	3	MATH 2101*	Calculus I	4	carried for this course
	Core Area A	Pre-requisite: MATH 1111	÷	Area F	Pre-requisite: MATH 1113	-	Accumulate minimum of 30
	CHEM 1211*	Principles of Chemistry I**	3	PHYS 1111K*	Introductory Physics I	4	semester hours in your
	Area F	Pre-requisite: CHEM 1115 OR 30		Area D Lab	Pre-requisite: MATH 1113		Freshmen Year.
	CHEM	in Chemistry Assessment Test Principles of Chemistry I Lab**	1	ENGT 2101K*	Computer Graphics	3	-
	1211L*	Pre-requisite: None		Area F	Pre-requisite: MATH 1113	5	
	Area F	-			-		
	HUMN 1201 Core Area B	Critical Thinking &	3	CSCI 1130	Computer & its Applications*	3	
1	Core Area B	Communication Pre-requisite: None		Area D (non- lab)	Pre-requisite: None		
	COST 1103	COST First Year Experience	2		The requisiter rome		1
1	Area F	Pre-requisite: None					
1	Cturile arts arrest to	Fall Milestones	Total	Ctord and a more to da	Spring Milestones	Total 17	-
	graduation	ke MATH 1113 to prevent delay in	15	graduation	e ENGT 2101K to prevent delay in	17	
	8		1	8		1	1
		Fall Courses			Spring Courses		Notes
	Course	Name	Hours		Name	Hours	
	MATH 2111* Area F	Calculus II Pre-requisite: MATH 2101	4	CIVT 3201K* Major	Civil Engineering Materials Pre-requisite: MATH 1113	3	*A grade of C or better must be earned for this course
1	PHYS	Introductory Physics II	4	CIVT 3301K*		4	
	1112K*	Pre-requisite: PHYS 1111K		Major	Pre-requisite: ENGT 3101 or ENGR		Accumulate minimum of 60
)re	Area D Lab		4	ENCT 2501*	2201	2	semester hours in your Sophomore Year.
0u	CIVT 3101K* Major	Surveying Pre-requisite: MATH 1113	4	ENGT 3501* Major	Dynamics Pre-requisite: ENGT 3101 or ENGR	2	Sophomore real.
OU	wiajoi	rie-icquisite. WATH 1115		wiajoi	2201		
qu.	ENGT 3101*	Statics	3	ENGT 3601*	Strength of Materials	3	7
Sophomore	or	Pre-requisite: MATH 1113/PHYS 11	11K	Major	Pre-requisite: ENGT 3101 or ENGR		
	ENGR 2201* Major	OR PHYS 2211K Pre-requisite: math 2111; PHYS 2211	K		2201		
		110 10quiotter main 2111, 11110 221		AFRS 1501	Survey African American History	2	-
				Core Area B	Pre-requisite: None		
	Studente must te	Fall Milestones ke MATH 2111 and ENGT 3101 to	Total 15		Spring Milestones take CIVT 3301K to prevent delay in	Total 14	-
	prevent delay in		15	graduation	take CIVI 5501K to prevent delay in	14	
	· · ·					•	•
	Course	Fall Courses	Hours	Course	Spring Courses	Houng	Notes
	Course	Name	Hours	Course	Name	Hours	
	Course CIVT 3311* Major		Hours 3	Course CIVT 3211* Major	• • •	Hours 3	Notes *A grade of C or better must be earned for this course
	CIVT 3311* Major CIVT 3401K*	Name Engineering Hydrology Pre-requisite: ENGT 3301K Highway & Transportation		CIVT 3211* Major CIVT	Name Construction Estimating & Management		*A grade of C or better must be earned for this course
	CIVT 3311* Major	Name Engineering Hydrology Pre-requisite: ENGT 3301K Highway & Transportation Engineering	3	CIVT 3211* Major CIVT 4100K*	Name Construction Estimating & Management Pre-requisite: CIVT 3201K Structure Design	3	*A grade of C or better must be earned for this course Accumulate minimum of 90
-	CIVT 3311* Major CIVT 3401K*	Name Engineering Hydrology Pre-requisite: ENGT 3301K Highway & Transportation Engineering Pre-requisite: ENGT 3101 or ENGR	3	CIVT 3211* Major CIVT	Name Construction Estimating & Management Pre-requisite: CIVT 3201K Structure Design Pre-requisite: ENGT 2101K OR ENGR	3	*A grade of C or better must be earned for this course
ior	CIVT 3311* Major CIVT 3401K*	Name Engineering Hydrology Pre-requisite: ENGT 3301K Highway & Transportation Engineering	3	CIVT 3211* Major CIVT 4100K* Major CIVT	Name Construction Estimating & Management Pre-requisite: CIVT 3201K Structure Design	3	*A grade of C or better must be earned for this course Accumulate minimum of 90 semester hours in your Junior Year.
unior	CIVT 3311* Major CIVT 3401K* Major	Name Engineering Hydrology Pre-requisite: ENGT 3301K Highway & Transportation Engineering Pre-requisite: ENGT 3101 or ENGR 2770; CIVT 3201K; MATH 2111	3 4	CIVT 3211* Major CIVT 4100K* Major CIVT 4201K*	Name Construction Estimating & Management Pre-requisite: CIVT 3201K Structure Design Pre-requisite: ENGT 2101K OR ENGR 2770; CIVT 3701K	3	*A grade of C or better must be earned for this course Accumulate minimum of 90 semester hours in your Junior
Junior	CIVT 3311* Major CIVT 3401K* Major CIVT 3701K* Major	Name Engineering Hydrology Pre-requisite: ENGT 3301K Highway & Transportation Engineering Pre-requisite: ENGT 3101 or ENGR 2770; CIVT 3201K; MATH 2111 Structural Analysis Pre-requisite: ENGT 3601	3 4 3	CIVT 3211* Major CIVT 4100K* Major CIVT 4201K* Major	Name Construction Estimating & Management Pre-requisite: CIVT 3201K Structure Design Pre-requisite: ENGT 2101K OR ENGR 2770; CIVT 3701K Environmental Engineering I Pre-requisite: CIVT 3311	3 4 4	*A grade of C or better must be earned for this course Accumulate minimum of 90 semester hours in your Junior Year.
Junior	CIVT 3311* Major CIVT 3401K* Major CIVT 3701K*	Name Engineering Hydrology Pre-requisite: ENGT 3301K Highway & Transportation Engineering Pre-requisite: ENGT 3101 or ENGR 2770; CIVT 3201K; MATH 2111 Structural Analysis	3 4	CIVT 3211* Major CIVT 4100K* Major CIVT 4201K*	Name Construction Estimating & Management Pre-requisite: CIVT 3201K Structure Design Pre-requisite: ENGT 2101K OR ENGR 2770; CIVT 3701K Environmental Engineering I	3	 *A grade of C or better must be earned for this course Accumulate minimum of 90 semester hours in your Junior Year. Apply for graduation. Students are encouraged to obtain an internship, which can
Junior	CIVT 3311* Major CIVT 3401K* Major CIVT 3701K* Major ENGT 3701* Major Core Area C	Name Engineering Hydrology Pre-requisite: ENGT 3301K Highway & Transportation Engineering Pre-requisite: ENGT 3101 or ENGR 2770; CIVT 3201K; MATH 2111 Structural Analysis Pre-requisite: ENGT 3601 Engineering Economy Pre-requisite: MATH 1113	3 4 3	CIVT 3211* Major CIVT 4100K* Major CIVT 4201K* Major POLS 1101	Name Construction Estimating & Management Pre-requisite: CIVT 3201K Structure Design Pre-requisite: ENGT 2101K OR ENGR 2770; CIVT 3701K Environmental Engineering I Pre-requisite: CIVT 3311 American Government	3 4 4	 *A grade of C or better must be earned for this course Accumulate minimum of 90 semester hours in your Junior Year. Apply for graduation. Students are encouraged to obtain an internship, which can be used for Major Technical
Junior	CIVT 3311* Major CIVT 3401K* Major CIVT 3701K* Major ENGT 3701* Major	Name Engineering Hydrology Pre-requisite: ENGT 3301K Highway & Transportation Engineering Pre-requisite: ENGT 3101 or ENGR 2770; CIVT 3201K; MATH 2111 Structural Analysis Pre-requisite: ENGT 3601 Engineering Economy Pre-requisite: MATH 1113 Pre-requisite: Varies	3 4 3 3 3 3	CIVT 3211* Major CIVT 4100K* Major CIVT 4201K* Major POLS 1101	Name Construction Estimating & Management Pre-requisite: CIVT 3201K Structure Design Pre-requisite: ENGT 2101K OR ENGR 2770; CIVT 3701K Environmental Engineering I Pre-requisite: CIVT 3311 American Government Pre-requisite: None	3 4 4 3	 *A grade of C or better must be earned for this course Accumulate minimum of 90 semester hours in your Junior Year. Apply for graduation. Students are encouraged to obtain an internship, which can be used for Major Technical Elective Credit; communicate with the Department Chair to
Junior	CIVT 3311* Major CIVT 3401K* Major CIVT 3701K* Major ENGT 3701* Major Core Area C Option	Name Engineering Hydrology Pre-requisite: ENGT 3301K Highway & Transportation Engineering Pre-requisite: ENGT 3101 or ENGR 2770; CIVT 3201K; MATH 2111 Structural Analysis Pre-requisite: ENGT 3601 Engineering Economy Pre-requisite: MATH 1113	3 4 3 3 3 3 Total	CIVT 3211* Major CIVT 4100K* Major CIVT 4201K* Major POLS 1101	Name Construction Estimating & Management Pre-requisite: CIVT 3201K Structure Design Pre-requisite: ENGT 2101K OR ENGR 2770; CIVT 3701K Environmental Engineering I Pre-requisite: CIVT 3311 American Government	3 4 4	 *A grade of C or better must be earned for this course Accumulate minimum of 90 semester hours in your Junior Year. Apply for graduation. Students are encouraged to obtain an internship, which can be used for Major Technical Elective Credit; communicate with the Department Chair to register for the internship
Junior	CIVT 3311* Major CIVT 3401K* Major CIVT 3701K* Major ENGT 3701* Major Core Area C Option Student must tak	Name Engineering Hydrology Pre-requisite: ENGT 3301K Highway & Transportation Engineering Pre-requisite: ENGT 3101 or ENGR 2770; CIVT 3201K; MATH 2111 Structural Analysis Pre-requisite: ENGT 3601 Engineering Economy Pre-requisite: MATH 1113 Pre-requisite: Varies Fall Milestones	3 4 3 3 3 3 Total	CIVT 3211* Major CIVT 4100K* Major CIVT 4201K* Major POLS 1101	Name Construction Estimating & Management Pre-requisite: CIVT 3201K Structure Design Pre-requisite: ENGT 2101K OR ENGR 2770; CIVT 3701K Environmental Engineering I Pre-requisite: CIVT 3311 American Government Pre-requisite: None	3 4 4 3 Total	 *A grade of C or better must be earned for this course Accumulate minimum of 90 semester hours in your Junior Year. Apply for graduation. Students are encouraged to obtain an internship, which can be used for Major Technical Elective Credit; communicate with the Department Chair to register for the internship course and get it approved for
Junior	CIVT 3311* Major CIVT 3401K* Major CIVT 3701K* Major ENGT 3701* Major Core Area C Option Student must tak	Name Engineering Hydrology Pre-requisite: ENGT 3301K Highway & Transportation Engineering Pre-requisite: ENGT 3101 or ENGR 2770; CIVT 3201K; MATH 2111 Structural Analysis Pre-requisite: ENGT 3601 Engineering Economy Pre-requisite: MATH 1113 Pre-requisite: Varies Fall Milestones ce CIVT 3701K, CIVT 3401K, and CIV delay in graduation.	3 4 3 3 3 3 Total	CIVT 3211* Major CIVT 4100K* Major CIVT 4201K* Major POLS 1101	Name Construction Estimating & Management Pre-requisite: CIVT 3201K Structure Design Pre-requisite: ENGT 2101K OR ENGR 2770; CIVT 3701K Environmental Engineering I Pre-requisite: CIVT 3311 American Government Pre-requisite: None Spring Milestones	3 4 4 3 Total	 *A grade of C or better must be earned for this course Accumulate minimum of 90 semester hours in your Junior Year. Apply for graduation. Students are encouraged to obtain an internship, which can be used for Major Technical Elective Credit; communicate with the Department Chair to register for the internship
Junior	CIVT 3311* Major CIVT 3401K* Major CIVT 3701K* Major ENGT 3701* Major Core Area C Option Student must tak 3311to prevent c	Name Engineering Hydrology Pre-requisite: ENGT 3301K Highway & Transportation Engineering Pre-requisite: ENGT 3101 or ENGR 2770; CIVT 3201K; MATH 2111 Structural Analysis Pre-requisite: ENGT 3601 Engineering Economy Pre-requisite: MATH 1113 Pre-requisite: Varies Fall Milestones te CIVT 3701K, CIVT 3401K, and CIV telay in graduation. Fall Courses	3 4 3 3 3 3 T 16	CIVT 3211* Major CIVT 4100K* Major CIVT 4201K* Major POLS 1101 Core Area E	Name Construction Estimating & Management Pre-requisite: CIVT 3201K Structure Design Pre-requisite: ENGT 2101K OR ENGR 2770; CIVT 3701K Environmental Engineering I Pre-requisite: CIVT 3311 American Government Pre-requisite: None Spring Milestones Spring Courses	3 4 4 3 Total 14	 *A grade of C or better must be earned for this course Accumulate minimum of 90 semester hours in your Junior Year. Apply for graduation. Students are encouraged to obtain an internship, which can be used for Major Technical Elective Credit; communicate with the Department Chair to register for the internship course and get it approved for
Junior	CIVT 3311* Major CIVT 3401K* Major CIVT 3701K* Major ENGT 3701* Major Core Area C Option Student must tak 3311to prevent c	Name Engineering Hydrology Pre-requisite: ENGT 3301K Highway & Transportation Engineering Pre-requisite: ENGT 3101 or ENGR 2770; CIVT 3201K; MATH 2111 Structural Analysis Pre-requisite: ENGT 3601 Engineering Economy Pre-requisite: MATH 1113 Pre-requisite: Varies Fall Milestones ce CIVT 3701K, CIVT 3401K, and CIV Jelay in graduation. Fall Courses Name	3 4 3 3 3 3 T 16 Hours	CIVT 3211* Major CIVT 4100K* Major CIVT 4201K* Major POLS 1101 Core Area E	Name Construction Estimating & Management Pre-requisite: CIVT 3201K Structure Design Pre-requisite: ENGT 2101K OR ENGR 2770; CIVT 3701K Environmental Engineering I Pre-requisite: CIVT 3311 American Government Pre-requisite: None Spring Milestones Spring Courses Name	3 4 4 4 3 Total 14 Hours	*A grade of C or better must be earned for this course Accumulate minimum of 90 semester hours in your Junior Year. Apply for graduation. Students are encouraged to obtain an internship, which can be used for Major Technical Elective Credit; communicate with the Department Chair to register for the internship course and get it approved for credits prior to the internship.
Junior	CIVT 3311* Major CIVT 3401K* Major CIVT 3701K* Major ENGT 3701* Major Core Area C Option Student must tak 3311to prevent c	Name Engineering Hydrology Pre-requisite: ENGT 3301K Highway & Transportation Engineering Pre-requisite: ENGT 3101 or ENGR 2770; CIVT 3201K; MATH 2111 Structural Analysis Pre-requisite: ENGT 3601 Engineering Economy Pre-requisite: MATH 1113 Pre-requisite: Varies Fall Milestones te CIVT 3701K, CIVT 3401K, and CIV telay in graduation. Fall Courses	3 4 3 3 3 3 T 16	CIVT 3211* Major CIVT 4100K* Major CIVT 4201K* Major POLS 1101 Core Area E Course CIVT	Name Construction Estimating & Management Pre-requisite: CIVT 3201K Structure Design Pre-requisite: ENGT 2101K OR ENGR 2770; CIVT 3701K Environmental Engineering I Pre-requisite: CIVT 3311 American Government Pre-requisite: None Spring Milestones Spring Courses	3 4 4 3 Total 14	 *A grade of C or better must be earned for this course Accumulate minimum of 90 semester hours in your Junior Year. Apply for graduation. Students are encouraged to obtain an internship, which can be used for Major Technical Elective Credit; communicate with the Department Chair to register for the internship course and get it approved for credits prior to the internship.
Junior	CIVT 3311* Major CIVT 3401K* Major CIVT 3701K* Major ENGT 3701* Major Core Area C Option Student must tak 3311to prevent of ELET 3101K* Major	Name Engineering Hydrology Pre-requisite: ENGT 3301K Highway & Transportation Engineering Pre-requisite: ENGT 3101 or ENGR 2770; CIVT 3201K; MATH 2111 Structural Analysis Pre-requisite: ENGT 3601 Engineering Economy Pre-requisite: Varies Fall Milestones te CIVT 3701K, CIVT 3401K, and CIV delay in graduation. Fall Courses Name Electrical Circuit I Pre-requisite: MATH 1113	3 4 3 3 3 3 T 16 Hours 4	CIVT 3211* Major CIVT 4100K* Major CIVT 4201K* Major POLS 1101 Core Area E	Name Construction Estimating & Management Pre-requisite: CIVT 3201K Structure Design Pre-requisite: ENGT 2101K OR ENGR 2770; CIVT 3701K Environmental Engineering I Pre-requisite: CIVT 3311 American Government Pre-requisite: None Spring Milestones Soil Mechanics & Foundations Pre-requisite: CIVT 3201K & ENGT 3601	3 4 4 3 Total 14 Hours 4	 *A grade of C or better must be earned for this course Accumulate minimum of 90 semester hours in your Junior Year. Apply for graduation. Students are encouraged to obtain an internship, which can be used for Major Technical Elective Credit; communicate with the Department Chair to register for the internship course and get it approved for credits prior to the internship. Notes *A grade of C or better must be earned for this course
Junior	CIVT 3311* Major CIVT 3401K* Major CIVT 3701K* Major ENGT 3701* Major Core Area C Option Student must tak 3311to prevent of ELET 3101K* Major CIVT 4211*	Name Engineering Hydrology Pre-requisite: ENGT 3301K Highway & Transportation Engineering Pre-requisite: ENGT 3101 or ENGR 2770; CIVT 3201K; MATH 2111 Structural Analysis Pre-requisite: ENGT 3601 Engineering Economy Pre-requisite: Varies Fall Milestones te CIVT 3701K, CIVT 3401K, and CIV delay in graduation. Fall Courses Name Electrical Circuit I Pre-requisite: MATH 1113	3 4 3 3 3 3 T 16 Hours	CIVT 3211* Major CIVT 4100K* Major CIVT 4201K* Major POLS 1101 Core Area E CIVT 3601K* Major ENGT 4401*	Name Construction Estimating & Management Pre-requisite: CIVT 3201K Structure Design Pre-requisite: ENGT 2101K OR ENGR 2770; CIVT 3701K Environmental Engineering I Pre-requisite: CIVT 3311 American Government Pre-requisite: None Spring Milestones Soil Mechanics & Foundations Pre-requisite: CIVT 3201K & ENGT 3601 Senior Project	3 4 4 4 3 Total 14 Hours	 *A grade of C or better must be earned for this course Accumulate minimum of 90 semester hours in your Junior Year. Apply for graduation. Students are encouraged to obtain an internship, which can be used for Major Technical Elective Credit; communicate with the Department Chair to register for the internship course and get it approved for credits prior to the internship. Notes *A grade of C or better must
Jun	CIVT 3311* Major CIVT 3401K* Major CIVT 3701K* Major ENGT 3701* Major Core Area C Option Student must tak 3311to prevent of ELET 3101K* Major	Name Engineering Hydrology Pre-requisite: ENGT 3301K Highway & Transportation Engineering Pre-requisite: ENGT 3101 or ENGR 2770; CIVT 3201K; MATH 2111 Structural Analysis Pre-requisite: ENGT 3601 Engineering Economy Pre-requisite: Varies Fall Milestones te CIVT 3701K, CIVT 3401K, and CIV delay in graduation. Fall Courses Name Electrical Circuit I Pre-requisite: MATH 1113	3 4 3 3 3 3 T 16 Hours 4	CIVT 3211* Major CIVT 4100K* Major CIVT 4201K* Major POLS 1101 Core Area E CIVT 3601K* Major ENGT 4401* Major	Name Construction Estimating & Management Pre-requisite: CIVT 3201K Structure Design Pre-requisite: ENGT 2101K OR ENGR 2770; CIVT 3701K Environmental Engineering I Pre-requisite: CIVT 3311 American Government Pre-requisite: None Spring Milestones Soil Mechanics & Foundations Pre-requisite: CIVT 3201K & ENGT 3601	3 4 4 3 Total 14 Hours 4	 *A grade of C or better must be earned for this course Accumulate minimum of 90 semester hours in your Junior Year. Apply for graduation. Students are encouraged to obtain an internship, which can be used for Major Technical Elective Credit; communicate with the Department Chair to register for the internship course and get it approved for credits prior to the internship. Notes *A grade of C or better must be earned for this course Student must take the exit exam and interview.
Jun	CIVT 3311* Major CIVT 3401K* Major CIVT 3701K* Major Core Area C Option Student must tak 3311to prevent of ELET 3101K* Major CIVT 4211* Major	Name Engineering Hydrology Pre-requisite: ENGT 3301K Highway & Transportation Engineering Pre-requisite: ENGT 3101 or ENGR 2770; CIVT 3201K; MATH 2111 Structural Analysis Pre-requisite: ENGT 3601 Engineering Economy Pre-requisite: MATH 1113 Pre-requisite: Varies Fall Milestones te CIVT 3701K, CIVT 3401K, and CIV Jelay in graduation. Fall Courses Name Electrical Circuit I Pre-requisite: MATH 1113 Environmental Engineering II Pre-requisite: CIVT 4201K	3 4 3 3 3 3 T 16 Hours 4 3	CIVT 3211* Major CIVT 4100K* Major CIVT 4201K* Major POLS 1101 Core Area E CIVT 3601K* Major ENGT 4401* Major	Name Construction Estimating & Management Pre-requisite: CIVT 3201K Structure Design Pre-requisite: ENGT 2101K OR ENGR 2770; CIVT 3701K Environmental Engineering I Pre-requisite: CIVT 3311 American Government Pre-requisite: None Spring Milestones Spring Milestones Soil Mechanics & Foundations Pre-requisite: CIVT 3201K & ENGT 3601 Senior Project Pre-requisite: CIVT 4211K;CIVT 4111K;CIVT 4101K;CIVT 3601K; or CIVT 3401K	3 4 4 3 Total 14 Hours 4 3	 *A grade of C or better must be earned for this course Accumulate minimum of 90 semester hours in your Junior Year. Apply for graduation. Students are encouraged to obtain an internship, which can be used for Major Technical Elective Credit; communicate with the Department Chair to register for the internship course and get it approved for credits prior to the internship. Notes *A grade of C or better must be earned for this course Student must take the exit exam and interview. Does this Degree Program
Jun	CIVT 3311* Major CIVT 3401K* Major CIVT 3701K* Major ENGT 3701* Major Core Area C Option Student must tak 3311to prevent of ELET 3101K* Major CIVT 4211*	Name Engineering Hydrology Pre-requisite: ENGT 3301K Highway & Transportation Engineering Pre-requisite: ENGT 3101 or ENGR 2770; CIVT 3201K; MATH 2111 Structural Analysis Pre-requisite: ENGT 3601 Engineering Economy Pre-requisite: Varies Fall Milestones tc CIVT 3701K, CIVT 3401K, and CIV delay in graduation. Fall Courses Name Electrical Circuit I Pre-requisite: MATH 1113 Environmental Engineering II Pre-requisite: CIVT 4201K Technical Elective	3 4 3 3 3 3 T 16 Hours 4	CIVT 3211* Major CIVT 4100K* Major CIVT 4201K* Major POLS 1101 Core Area E CIVT 3601K* Major ENGT 4401* Major*	Name Construction Estimating & Management Pre-requisite: CIVT 3201K Structure Design Pre-requisite: ENGT 2101K OR ENGR 2770; CIVT 3701K Environmental Engineering I Pre-requisite: CIVT 3311 American Government Pre-requisite: None Spring Milestones Soil Mechanics & Foundations Pre-requisite: CIVT 3201K & ENGT 3601 Senior Project Pre-requisite: CIVT 4211K;CIVT 4111K;CIVT 4101K;CIVT 3601K; or CIVT 3401K Technical Elective	3 4 4 3 Total 14 Hours 4	 *A grade of C or better must be earned for this course Accumulate minimum of 90 semester hours in your Junior Year. Apply for graduation. Students are encouraged to obtain an internship, which can be used for Major Technical Elective Credit; communicate with the Department Chair to register for the internship course and get it approved for credits prior to the internship. Notes *A grade of C or better must be earned for this course Student must take the exit exam and interview.
Senior Junior	CIVT 3311* Major CIVT 3401K* Major CIVT 3701K* Major ENGT 3701* Major Core Area C Option Student must tak 3311to prevent of Course ELET 3101K* Major CIVT 4211* Major	Name Engineering Hydrology Pre-requisite: ENGT 3301K Highway & Transportation Engineering Pre-requisite: ENGT 3101 or ENGR 2770; CIVT 3201K; MATH 2111 Structural Analysis Pre-requisite: ENGT 3601 Engineering Economy Pre-requisite: MATH 1113 Pre-requisite: Varies Fall Milestones te CIVT 3701K, CIVT 3401K, and CIV Jelay in graduation. Fall Courses Name Electrical Circuit I Pre-requisite: MATH 1113 Environmental Engineering II Pre-requisite: CIVT 4201K	3 4 3 3 3 3 T 16 Hours 4 3 3	CIVT 3211* Major CIVT 4100K* Major CIVT 4201K* Major POLS 1101 Core Area E CIVT 3601K* Major ENGT 4401* Major*	Name Construction Estimating & Management Pre-requisite: CIVT 3201K Structure Design Pre-requisite: ENGT 2101K OR ENGR 2770; CIVT 3701K Environmental Engineering I Pre-requisite: CIVT 3311 American Government Pre-requisite: None Spring Milestones Soil Mechanics & Foundations Pre-requisite: CIVT 3201K & ENGT 3601 Senior Project Pre-requisite: CIVT 4211K;CIVT 4111K;CIVT 4101K;CIVT 3601K; or CIVT 3401K Technical Elective Pre-requisite: Varies	3 4 4 3 <u>Total</u> 14 <u>Hours</u> 4 3 3	*A grade of C or better must be earned for this course Accumulate minimum of 90 semester hours in your Junior Year. Apply for graduation. Students are encouraged to obtain an internship, which can be used for Major Technical Elective Credit; communicate with the Department Chair to register for the internship course and get it approved for credits prior to the internship. Notes *A grade of C or better must be earned for this course Student must take the exit exam and interview. Does this Degree Program Require a Minor? <u>No</u> Total Hours Required for this
Jun	CIVT 3311* Major CIVT 3401K* Major CIVT 3701K* Major Core Area C Option Student must tak 3311to prevent of ELET 3101K* Major CIVT 4211* Major	Name Engineering Hydrology Pre-requisite: ENGT 3301K Highway & Transportation Engineering Pre-requisite: ENGT 3101 or ENGR 2770; CIVT 3201K; MATH 2111 Structural Analysis Pre-requisite: ENGT 3601 Engineering Economy Pre-requisite: Varies Fall Milestones tc CIVT 3701K, CIVT 3401K, and CIV delay in graduation. Fall Courses Name Electrical Circuit I Pre-requisite: MATH 1113 Environmental Engineering II Pre-requisite: CIVT 4201K Technical Elective	3 4 3 3 3 3 T 16 Hours 4 3	CIVT 3211* Major CIVT 4100K* Major CIVT 4201K* Major POLS 1101 Core Area E CIVT 3601K* Major ENGT 4401* Major Major* HIST 2111 or 2112	Name Construction Estimating & Management Pre-requisite: CIVT 3201K Structure Design Pre-requisite: ENGT 2101K OR ENGR 2770; CIVT 3701K Environmental Engineering I Pre-requisite: CIVT 3311 American Government Pre-requisite: None Spring Milestones Soil Mechanics & Foundations Pre-requisite: CIVT 3201K & ENGT 3601 Senior Project Pre-requisite: CIVT 4211K;CIVT 4111K;CIVT 4101K;CIVT 3601K; or CIVT 3401K Technical Elective	3 4 4 3 Total 14 Hours 4 3	 *A grade of C or better must be earned for this course Accumulate minimum of 90 semester hours in your Junior Year. Apply for graduation. Students are encouraged to obtain an internship, which can be used for Major Technical Elective Credit; communicate with the Department Chair to register for the internship course and get it approved for credits prior to the internship. Notes *A grade of C or better must be earned for this course Student must take the exit exam and interview. Does this Degree Program Require a Minor? Notes
Jun	CIVT 3311* Major CIVT 3401K* Major CIVT 3701K* Major Core Area C Option Student must tak 3311to prevent of ELET 3101K* Major CIVT 4211* Major Major* Area E Social Sci. Option	Name Engineering Hydrology Pre-requisite: ENGT 3301K Highway & Transportation Engineering Pre-requisite: ENGT 3101 or ENGR 2770; CIVT 3201K; MATH 2111 Structural Analysis Pre-requisite: ENGT 3601 Engineering Economy Pre-requisite: MATH 1113 Pre-requisite: Varies Fall Milestones teal Villestones teal Villestones Electrical Circuit I Pre-requisite: MATH 1113 Environmental Engineering II Pre-requisite: CIVT 4201K Technical Elective Pre-requisite: Varies	3 4 3 3 3 3 T 16 Hours 4 3 3 3 3	CIVT 3211* Major CIVT 4100K* Major CIVT 4201K* Major POLS 1101 Core Area E CIVT 3601K* Major ENGT 4401* Major Major* HIST 2111 or 2112 Core Area E	Name Construction Estimating & Management Pre-requisite: CIVT 3201K Structure Design Pre-requisite: ENGT 2101K OR ENGR 2770; CIVT 3701K Environmental Engineering I Pre-requisite: CIVT 3311 American Government Pre-requisite: None Spring Milestones Soll Mechanics & Foundations Pre-requisite: CIVT 3201K & ENGT 3601 Senior Project Pre-requisite: CIVT 4211K;CIVT 4111K;CIVT 4101K;CIVT 3601K; or CIVT 3401K Technical Elective Pre-requisite: Varies U.S. History	3 4 4 3 Total 14 Hours 4 3 3 3	*A grade of C or better must be earned for this course Accumulate minimum of 90 semester hours in your Junior Year. Apply for graduation. Students are encouraged to obtain an internship, which can be used for Major Technical Elective Credit; communicate with the Department Chair to register for the internship course and get it approved for credits prior to the internship. Notes *A grade of C or better must be earned for this course Student must take the exit exam and interview. Does this Degree Program Require a Minor? <u>No</u> Total Hours Required for this
Jun	CIVT 3311* Major CIVT 3401K* Major CIVT 3701K* Major Core Area C Option Student must tak 3311to prevent of ELET 3101K* Major CIVT 4211* Major Major* Area E Social Sci. Option Core Area C	Name Engineering Hydrology Pre-requisite: ENGT 3301K Highway & Transportation Engineering Pre-requisite: ENGT 3101 or ENGR 2770; CIVT 3201K; MATH 2111 Structural Analysis Pre-requisite: ENGT 3601 Engineering Economy Pre-requisite: Varies Fall Milestones te CIVT 3701K, CIVT 3401K, and CIV delay in graduation. Fall Courses Name Electrical Circuit I Pre-requisite: MATH 1113 Environmental Engineering II Pre-requisite: Varies Technical Elective Pre-requisite: Varies	3 4 3 3 3 3 T 16 Hours 4 3 3	CIVT 3211* Major CIVT 4100K* Major CIVT 4201K* Major POLS 1101 Core Area E CIVT 3601K* Major ENGT 4401* Major* HIST 2111 or 2112 Core Area E Area E	Name Construction Estimating & Management Pre-requisite: CIVT 3201K Structure Design Pre-requisite: ENGT 2101K OR ENGR 2770; CIVT 3701K Environmental Engineering I Pre-requisite: CIVT 3311 American Government Pre-requisite: None Spring Milestones Soil Mechanics & Foundations Pre-requisite: CIVT 3201K & ENGT 3601 Senior Project Pre-requisite: CIVT 4211K;CIVT 4111K;CIVT 4101K;CIVT 3601K; or CIVT 3401K Technical Elective Pre-requisite: Varies U.S. History Pre-requisite: None	3 4 4 3 <u>Total</u> 14 <u>Hours</u> 4 3 3	*A grade of C or better must be earned for this course Accumulate minimum of 90 semester hours in your Junior Year. Apply for graduation. Students are encouraged to obtain an internship, which can be used for Major Technical Elective Credit; communicate with the Department Chair to register for the internship course and get it approved for credits prior to the internship. Notes *A grade of C or better must be earned for this course Student must take the exit exam and interview. Does this Degree Program Require a Minor? <u>No</u> Total Hours Required for this
Jun	CIVT 3311* Major CIVT 3401K* Major CIVT 3701K* Major Core Area C Option Student must tak 3311to prevent of ELET 3101K* Major CIVT 4211* Major Major* Area E Social Sci. Option	Name Engineering Hydrology Pre-requisite: ENGT 3301K Highway & Transportation Engineering Pre-requisite: ENGT 3101 or ENGR 2770; CIVT 3201K; MATH 2111 Structural Analysis Pre-requisite: ENGT 3601 Engineering Economy Pre-requisite: MATH 1113 Pre-requisite: Varies Fall Milestones teal Villestones teal Villestones Electrical Circuit I Pre-requisite: MATH 1113 Environmental Engineering II Pre-requisite: CIVT 4201K Technical Elective Pre-requisite: Varies	3 4 3 3 3 3 T 16 Hours 4 3 3 3 3	CIVT 3211* Major CIVT 4100K* Major CIVT 4201K* Major POLS 1101 Core Area E CIVT 3601K* Major ENGT 4401* Major* HIST 2111 or 2112 Core Area E Area E	Name Construction Estimating & Management Pre-requisite: CIVT 3201K Structure Design Pre-requisite: ENGT 2101K OR ENGR 2770; CIVT 3701K Environmental Engineering I Pre-requisite: CIVT 3311 American Government Pre-requisite: None Spring Milestones Soll Mechanics & Foundations Pre-requisite: CIVT 3201K & ENGT 3601 Senior Project Pre-requisite: CIVT 4211K;CIVT 4111K;CIVT 4101K;CIVT 3601K; or CIVT 3401K Technical Elective Pre-requisite: Varies U.S. History	3 4 4 3 Total 14 Hours 4 3 3 3	*A grade of C or better must be earned for this course Accumulate minimum of 90 semester hours in your Junior Year. Apply for graduation. Students are encouraged to obtain an internship, which can be used for Major Technical Elective Credit; communicate with the Department Chair to register for the internship course and get it approved for credits prior to the internship. Notes *A grade of C or better must be earned for this course Student must take the exit exam and interview. Does this Degree Program Require a Minor? <u>No</u> Total Hours Required for this
Jun	CIVT 3311* Major CIVT 3401K* Major CIVT 3701K* Major Core Area C Option Student must tak 3311to prevent of ELET 3101K* Major CIVT 4211* Major Major* Area E Social Sci. Option Core Area C	Name Engineering Hydrology Pre-requisite: ENGT 3301K Highway & Transportation Engineering Pre-requisite: ENGT 3101 or ENGR 2770; CIVT 3201K; MATH 2111 Structural Analysis Pre-requisite: ENGT 3601 Engineering Economy Pre-requisite: Varies Fall Milestones te CIVT 3701K, CIVT 3401K, and CIV delay in graduation. Fall Courses Name Electrical Circuit I Pre-requisite: MATH 1113 Environmental Engineering II Pre-requisite: Varies Technical Elective Pre-requisite: Varies	3 4 3 3 3 3 T 16 Hours 4 3 3 3 3	CIVT 3211* Major CIVT 4100K* Major CIVT 4201K* Major POLS 1101 Core Area E CIVT 3601K* Major ENGT 4401* Major Major* HIST 2111 or 2112 Core Area E Area E Social Sci.	Name Construction Estimating & Management Pre-requisite: CIVT 3201K Structure Design Pre-requisite: ENGT 2101K OR ENGR 2770; CIVT 3701K Environmental Engineering I Pre-requisite: CIVT 3311 American Government Pre-requisite: None Spring Milestones Soil Mechanics & Foundations Pre-requisite: CIVT 3201K & ENGT 3601 Senior Project Pre-requisite: CIVT 4211K;CIVT 4111K;CIVT 4101K;CIVT 3601K; or CIVT 3401K Technical Elective Pre-requisite: Varies U.S. History Pre-requisite: None	3 4 4 3 Total 14 Hours 4 3 3 3	*A grade of C or better must be earned for this course Accumulate minimum of 90 semester hours in your Junior Year. Apply for graduation. Students are encouraged to obtain an internship, which can be used for Major Technical Elective Credit; communicate with the Department Chair to register for the internship course and get it approved for credits prior to the internship. Notes *A grade of C or better must be earned for this course Student must take the exit exam and interview. Does this Degree Program Require a Minor? <u>No</u> Total Hours Required for this

Core Curriculum (Programmed Preferred Options in Bold)

Area B - Institutional Options 5 hrs

- i. AFRS 1501 Survey of African-American Experience 2 hrs
- ii. HUMN 1201 Critical Thinking & Communication 3 hrs
- Area C Humanities/Fine Arts, and Ethics 6 hrs,
 - 1. Select one of the following:
 - i. ENGL 2111 World Literature I 3 hrs
 - ii. ENGL 2112 World Literature II 3 hrs
 - iii. ENGL 2121 British Literature I 3 hrs
 - iv. ENGL 2122 British Literature II 3 hrs
 - v. ENGL 2131 American Literature I 3 hrs
 - vi. ENGL 2132 American Literature II 3 hrs
 - vii. ENGL 2222 African American Literature 3 hrs
 - viii. PHIL 2010 Introduction to Philosophy 3 hrs
 - ix. PHIL 2030 Introduction to Ethics 3 hrs
 - 2. Select one of the following:
 - i. ARTS 1101 Introduction to Visual Art 3 hrs
 - ii. DNCE 2010 Dance Appreciation 3 hrs
 - iii. ENGL 2521 Introduction to Film 3 hrs
 - iv. HUMN 2011 Humanities 3 hrs
 - v. MUSC 1101 Introduction to Music 3 hrs
 - vi. THEA 2101 Introduction to Theatre 3 hrs
- Area D Natural Sciences, Math & Technology 11 hrs

1. Select one of the following:

- i. BIOL 1107 Principles of Biology I 3 hrs
- ii. BIOL 1108 Principles of Biology II 3 hrs
- iii. CHEM 1211 Principles of Chemistry I 3 hrs
- iv. CHEM 1212 Principles of Chemistry II 3 hrs
- v. CISM 1130 Computer Applications 3 hrs
- vi. CSCI 1130 Computer Applications 3 hrs
- vii. CSCI 1301 Computer Science I 3 hrs

viii. ENVS 1140 Environmental Issues 3 hrs

- 2. Select two of the following lab sciences in sequence:
 - i. BIOL 1107/1107L Principles of Biology I 4 hrs
 - ii. BIOL 1108/1108L Principles of Biology II 4 hrs
 - iii. CHEM 1211/1211L Principles of Chemistry 4 hrs
 - iv. CHEM 1212/1212L Principles of Chemistry 4 hrs
 - v. PHYS 1111K Introductory Physics I 4 hrs
 - vi. PHYS 1112K Introductory Physics II 4 hrs
 - vii. PHYS 2211K Principles of Physics I 4 hrs
- viii. PHYS 2212K Principles of Physics II 4 hrs

Area E – Social Science 12 hrs

- i. POLS 1101 American Government 3 hrs
- 2. Select one of the following:
 - i. HIST 2111 U.S. History to the Post-Civil War Period 3 hrs
- ii. HIST 2112 U.S. History from the Post-Civil War to Pre 3 hrsSelect two of the following:
 - i. AFRS 2000 Introduction to Africana Studies 3 hrs
 - ii. ANTH 1101 Introduction to Anthropology 3 hrs
 - iii. ECON 2105 Principles of Macro-Economics 3 hrs
 - iv. GEOG 1101 Introduction to Human Geography 3 hrs
 - v. HIST 1111 World Hist to Early Modern Times 3 hrs
 - vi. HIST 1112 World History Early Modern Times to Pres 3 hrs
 - vii. POLS 2401 Global Issues 3 hrs
- viii. PSYC 1101 Intro to General Psychology 3 hrs
- ix. PSYC 2103 Human Growth & Development 3 hrs
- x. SOCI 1101 Introduction to Sociology 3 hrs
- xi. SOCI 1160 Social Problems 3 hrs

Civil Engineering Technology Major Technical Electives (6HRS) Select from the following:

CIVT 3501	Civil Engineering Computing Practices	3 credits
CIVT 4350	Civil & Environmental Systems Engineering	3 credits
CSCI 1301	Computer Science I	3 credits
CSCI 1371	Computing for Engineers & Scientists	3 credits
ELET 3701K	Data Acquisition Systems	4 credits
ENGT 4901	Engineering Technology Internship	3 credits
ENGT 4903	Special Topics	1-4 credits
MATH 3301	Differential Equations	4 credits
MECT 3411	Thermodynamics	3 credits
MSCI 3702	Intro to Geo Info Systems	3 credits

Distinctive Courses/Descriptions

Civil Engineering Technology

The curriculum in civil engineering technology (CET) is designed to provide ample instruction in those areas of knowledge required for successful performance in the following capacities as well as in other construction related positions:

Architectural and Structural Draftsman and Designer - plans, designs and supervises construction of frame, steel and concrete

structures; makes architectural inspections and appraisals for architects and builders.

Highway Engineering Technologist - collects and tests soil samples, concrete and other materials to ascertain physical characteristics for use in highway construction; establishes the location and measurements of points, elevations, lines, areas and contours of land needed for highway construction and prepares hard copy, draft or computer generated drawings of same.

Estimator - determines quantities and costs of materials and labor required to erect structures.

Materials Tester - determines mechanical properties of materials used in the erection of structures and highways.

Surveyor - supervises, directs and is responsible for the accuracy of the work of an engineering survey party engaged in determining the location and measurements of points, elevations, lines, areas and contours on the Earth's surface for purposes of securing data for building and highway construction, map-making, land-valuation, mining or other purposes.

Environmental Technologist - Plans, designs and monitors water, wastewater and other environmental pollution control systems.