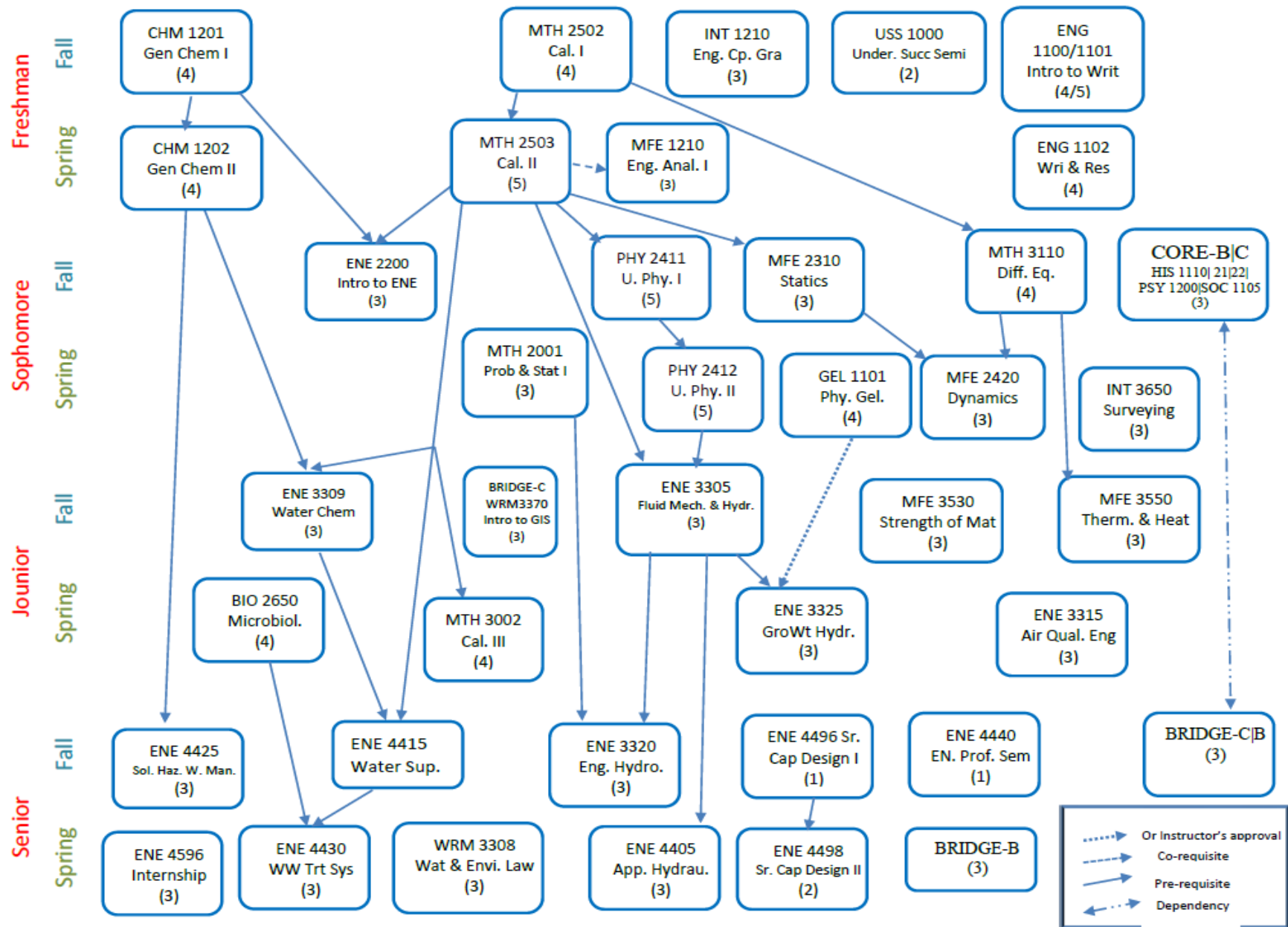


Map showing the pre-requisite structure



DEPARTMENT OF WATER RESOURCES MANAGEMENT
Four-year graduation plan for B. S. in Environmental Engineering

FALL SEMESTER						SPRING SEMESTER				
Year	Seq. No.	Cr. Hrs	Course #	Title	Pre-requisite Seq. No.	No.	Cr. Hrs	Course #	Title	Pre-requisite Seq. No.
Freshman	1	4	MTH 2502	Calculus I		6	5	MTH 2503	Calculus II	1
	2	4	CHM 1201	General Chemistry I		7	4	CHM 1202	General Chemistry II	2
	3	3	INT 1210	Engineering Computer Graphics		8	4	ENG 1102	Writing and Researching the Essay	
	4	4	ENG 1101	Introduction to Writing in College		9	3	MFE 1210	Engineering Analysis I	6*
	5	2	USS 1000	Undergraduate Success Seminar						
	Total	17					Total	16		
Sophomore	10	5	PHY 2411	University Physics I w/lab	6	15	5	PHY 2412	University Physics II w/lab	10
	11	3	ENE 2200	Intro. to Environmental Engineering	2, 6	16	4	GEL 1101	Physical Geology	
	12	4	MTH 3110	Differential Equations	1	17	3	MTH 2001	Probability and Statistics	
	13	3	MFE 2310	Statics	6	18	3	MFE 2420	Dynamics	12, 13
	14	3	CORE BIC	HIS 1110 21 22 PSY 1200 SOC 1105		19	3	INT 3650	Surveying	
	Total	18					Total	18		
Junior	20	3	ENE 3305	Fluid mechanics and Hydraulics	15	25	3	ENE 3315	Air Quality Engineering	
	21	3	ENE 3309	Water Chemistry	6,7	26	3	ENE 3320	Engineering Hydrology	17, 20
	22	3	MFE 3530	Strength of Materials		27	3	ENE 3325	Groundwater Hydraulics	20
	23	3	MFE 3550	Thermodynamics and Heat transfer	12	28	4	MTH 3002	Calculus III	6
	24	3	WRM 3370	Introduction to GIS (BRIDGE C2)		29	4	BIO 2650	Microbiology	
	Total	15					Total	17		
Senior	30	3	ENE 4415	Water Supply	6, 21	36	3	ENE 4405	Applied Hydraulics	20
	31	1	ENE 4440	Environmental Professional Seminar		37	3	ENE 4430	Wastewater treatment systems	29, 30
	32	3	ENE 4596	Internship ENE		38	2	ENE 4498	Senior Capstone Design Project II	33
	33	1	ENE 4496	Senior Capstone Design Project I		39	3	WRM 3308	Environmental Law	
	34	3	BRIDGE C B	General Education List C or List B		40	3	BRIDGE B	General Education List B	
	35	3	ENE 4425	Solid and Hazard Waste Mgmt.	7					
Total	14					Total	14			
Total Semester Hours for Graduation					129					

DEPARTMENT OF WATER RESOURCES MANAGEMENT
Five-year graduation plan for B. S. in Environmental Engineering

FALL SEMESTER						SPRING SEMESTER				
Year	No.	Cr. Hrs	Course #	Title	Pre-requisite	No.	Cr. Hrs	Course #	Title	Pre-requisite
Preparatory	1	3	MTH 1750	College Algebra		6	3	MTH 2501	Trigonometry	1
	2	4	GEL 1101	Physical Geology		7	3	INT 1210	Engineering Computer Graphics	
	3	2	USS 1000	Undergraduate Success Seminar		8	4	CHM 1201	General Chemistry I	1
	4	4/5	ENG 1101 1100	Introduction to Writing in College		9	4	ENG 1102	Writing and Researching the Essay	
	5	3	CORE BIC	HIS 1110 21 22 PSY 1200 SOC 1105		10	3	BRIDGE C B	General Education List C or List B	
	Total	16					Total	17		
Freshman	11	4	MTH 2502	Calculus I	6	16	5	MTH 2503	Calculus II	11
	12	4	BIO 1801	Fundamentals of Biology	1	17	4	CHM 1202	General Chemistry II	8
	13	3	BRIDGE B	General Education List B		18	3	INT 3650	Surveying	
	14	3		Optional minor		19	3	MFE 1210	Engineering Analysis I	16*
	15	3	MTH 2001	Probability and Statistics	1	20	3		Optional minor	
	Total	17					Total	18		
Sophomore	21	5	PHY 2411	University Physics I w/lab	16	26	5	PHY 2412	University Physics II w/lab	21
	22	3	ENE 2200	Intro. to Environmental Engineering	8, 16	27	3	WRM 3308	Environmental Law	
	23	4	MTH 3110	Differential Equations	11	28	3		Optional minor	
	24	3	MFE 2310	Statics	16	29	3	MFE 2420	Dynamics	16
	25	3		Optional minor		30	4		Optional minor	
	Total	18					Total	18		
Junior	31	3	ENE 3305	Fluid mechanics and Hydraulics	26	36	3	ENE 3315	Air Quality Engineering	
	32	3	ENE 3309	Water Chemistry	16, 17	37	3	ENE 3320	Engineering Hydrology	15, 31
	33	3	MFE 3530	Strength of Materials		38	3	ENE 3325	Groundwater Hydraulics	31
	34	3	MFE 3550	Thermodynamics and Heat transfer	23	39	4	MTH 3002	Calculus III	16
	35	3	WRM 3370	Introduction to GIS (BRIDGE C2)		40	4	BIO 2650	Microbiology	12
	Total	15					Total	17		
Senior	41	3	ENE 4415	Water Supply	16, 32	46	3	ENE 4405	Applied Hydraulics	31
	42	1	ENE 4440	Environmental Professional Seminar		47	3	ENE 4430	Wastewater treatment systems	40, 41
	43	3	ENE 4596	Internship ENE		48	2	ENE 4498	Senior Capstone Design Project II	44
	44	1	ENE 4496	Senior Capstone Design Project I		49	3		Optional minor	
	45	3	ENE 4425	Solid and Hazard Waste Mgmt.	17	50	3		Optional minor	
	Total	11					Total	14		
Total Semester Hours for Graduation					159					