DREXEL UNIVERSITY

Department of Civil, Architectural & Environmental Engineering

Plan of Study for MS EnvE Degree

CORE COURSES (15 credits)

		When taken/to take	Completed
ENVS 501	Environmental Chemistry (Fall)		
ENVE 660	Chem Kinetics - Envr Engr (Winter)		
	Statistics (List A)		
	Environ. Policy Course (List D)		
	Life Science Course (List B)		

SPECIALIZATION TRACK (12 CREDITS) – complete one

Environmental Treatment Processes

		When taken/to take	Completed
ENVE 661	Phys Chem Unit Ops (Winter)		
ENVE 546	Solid Waste (Winter)		
ENVE 662	Biological Unit Ops (Spring– Odd)		
ENVE 665	Haz Waste & GW (Spring)		

Human Risks

		When taken/to take	Completed
ENVE 727	Risk Assessment (Winter-Odd)		
AE 550	Comfort Analysis & Indoor Air (Fall)		
ENVS 521	Environmental Health		
ENVS 531	Industrial Hygiene I		

Water Resources

		When taken/to take	Completed
CIVE 564 (*)	Open Channel Flow		
ENVE 681 (*)	Analytical and Numerical Approaches to Hydrology		
CIVE 565	Urban Eco-Hydraulics		
CIVE 567	Watershed Analysis		
CIVE 566	Sustainable Water Res Eng.		

(*) one of these is required

Environmental Modeling

		When taken/to take	Completed
ENVE 555	GIS I		
ENVE 750	Data Based Modeling (Fall)		
	Advanced Math Class (List C)		
ENVE 681	Analytical and Numerical Approaches to Hydrology		

Air Quality

		When taken/to take	Completed
AE 550	Indoor Air Quality (Fall)		
ENVS 521	Environmental Health		
ENVS 531	Industrial Hygiene I		
ENVE 560	Fundamentals of Air Pollution Control		

COGNATE DISCIPLINE TRACK (12 CREDITS)

Each student must complete a coherent 4 course sequence aside from the specialization. This may be either within the environmental engineering/environmental science area, or in another related field (e.g., engineering, science, etc.).

		When taken/to take	Completed

Thesis or Electives (6-9 credits) (45 credits total required for degree)

		When taken/to take	Completed

SIGNATURES:

Student: _____ Date:_____

Student Advisor:_____ Date:_____

ENVE Program Advisor

_____ Date:_____

LIST A – Acceptable Statistics Courses (*)
ENVS 506 – Biostatistics
BMES 510 – Biomedical Statistics
BIO 640 – Biometry
PBHL520 -- Biostatistics
ENVE 750 – Data Analysis

LIST B – Acceptable Life Sciences Courses (*)
ENVS 511 – Evolutionary Ecology
ENVS 516 – Sanitary Microbiology
ENVS 630 – Aquatic Ecology
ENVS 636 – Principles of Toxicology I

LIST C – Advanced Math Courses (*)
MEM 591 - Applied Engr Analy Methods I
CHE 502 - Mathematical Methods in Chemical Engineering
MATE 535 - Numerical Engineering Methods

List D –
CIVE 566 Sustainable Water Resources
ECON 616 Public Finance Cost Benefit Analysis
ENVP 720 Environmental Cost-Benefit Analysis
ENVP 774 Environmental Policy Economic Analysis
PLCY 503 Theory and Practice of Policy Analysis
PLCY 504 Methods of Policy Analysis
PBHL 560 Global Issues in Public Health

(*) – other courses by approval of the ENVE graduate advisor