

## NORTHWESTERN - MASTERS OF SCIENCE: PROGRAM IN ENVIRONMENTAL ENGINEERING & SCIENCE

### 2014-2015

The MS in EES requires 12 course units in addition to the Environmental Seminar Series – CIV ENV 516. For the BS/MS option, students use 3 of their undergraduate courses, denoted by \*, that count towards the MS and need to follow an additional 9 courses.

		1 <sup>st</sup> Quarter/Fall	2 <sup>nd</sup> Quarter/Winter	3 <sup>rd</sup> Quarter/Spring	Optional 4 <sup>th</sup> Quarter/Summer
Recommended: CIV ENV # 4 Courses/Quarter and the EES seminar series		<b>Environmental Microbiology (361-1)<sup>†*</sup></b>	<b>Environmental Laboratory (365)*</b>	<b>Bio-Chemical-Physical Processes (448)</b>	
		<b>Aquatic Chemistry (367)*</b>	<b>Physical-Chemical Process in Water Treatment (444)</b>	<b>Environmental Biotechnology (442)</b>	
		<b>Environmental Transport Processes (440)</b>	<b>1<sup>st</sup> Technical Elective<sup>§</sup></b>	<b>2<sup>nd</sup> Technical Elective<sup>§</sup></b>	
		4 <sup>th</sup> Course from <b>Tracks</b> below or as unrestricted elective	4 <sup>th</sup> Course from <b>Tracks</b> below or as unrestricted elective	4 <sup>th</sup> Course from <b>Tracks</b> below or as unrestricted elective	4 <sup>th</sup> Course from <b>Tracks</b> below or as unrestricted elective
		<b>Environmental Engineering Science Seminar Series (516) – no tuition zero credit seminar</b>			
<b>Tracks &amp; Tech Electives</b> Choose additional Courses/Quarter	Environmental Chemistry		Chemical Microbial Interactions (441) and Biogeochemistry (317)	Metals in the Env. (468) and Environmental Organic Chemistry (370)	
	Environmental Microbiology		Chemical Microbial Interactions (441) and Public Health (361-2)		
	Global Ecological Health Engineering	Sustainability (368)	Global and Ecological Health Challenges (GBL HLTH BME 395)		Global Health: Achieving Global Impact Through Local Engagement
	Electives within CEE	Environmental Law (303)	Community Based Design (398-1)	Community Based Design (398-2)	
Additional Options	MS Thesis		Research Project (499)	Research Project (590)	Research Project (590)
	Design		Community Based Design (398-1)	Community Based Design (398-2)	

*Note:* required core courses are in **bold** face

<sup>†</sup> numbers in parentheses are CIV ENV course numbers unless otherwise stated

\* For the BS/MS option, students use 3 of their undergraduate courses, denoted by \*, that count towards the MS and need to follow an additional 9 courses.

<sup>§</sup> Technical electives must be CIV ENV courses within the EES program