# Northwestern - Master of Science: Program in Environmental Engineering & Science

## 2017-2018

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.

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<tr>
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<th>1st Quarter/Fall</th>
<th>2nd Quarter/Winter</th>
<th>3rd Quarter/Spring</th>
<th>Optional 4th Quarter/Summer</th>
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<tbody>
<tr>
<td><strong>Recommended:</strong></td>
<td>Environmental Microbiology (361-1)**</td>
<td>Environmental Laboratory (365)*</td>
<td>Environmental Modeling (448)</td>
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<td></td>
<td>Aquatic Chemistry (367)*</td>
<td>Physical-Chemical Process in Water Treatment (444)</td>
<td>Microbial Ecology for Resource Recovery (443)</td>
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<td></td>
<td>Environmental Transport Processes (440)</td>
<td>1st Technical Elective$^5$</td>
<td>2nd Technical Elective$^5$</td>
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<td>4th Course from Tracks below or as unrestricted elective</td>
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<td>Environmental Engineering Science Seminar Series (516) – no tuition zero credit seminar</td>
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**Electives**

**Choose additional**

- Environmental Chemistry
- Environmental Microbiology
- Global Ecological Health Engineering$^#$
- Electives within CEE

**Electives within CEE**

- Environmental Law (303)
- Eng. Asp. Groundwater (355)
- Sustainability (368)
- Community Based Design (398-1)
- Community Based Design (398-2)
- Energy Law & Policy (395-0-23)
- Medical Devices, Disease and Global Health (BMD ENG 380)
- Global Health: Achieving Global Impact Through Local Engagement
- Research Project (499)
- Research Project (590)
- Research Project (590) or TGS 512

**Additional Options**

- MS Thesis
- Design

**Note:** required core courses are in **bold** face and in green.

$^1$ 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.

$^5$ Technical electives must be CIV ENV courses within the EES program

$^#$ For the Global and Ecological Heath Engineering program, please contact Prof. Kimberly Gray.