**Northwestern - Masters of Science: Program in Environmental Engineering & Science**

**2015-2016**

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.

<table>
<thead>
<tr>
<th>Tracks &amp; Tech Electives Choose additional Courses/Quarter</th>
<th>1st Quarter/Fall</th>
<th>2nd Quarter/Winter</th>
<th>3rd Quarter/Spring</th>
<th>Optional 4th Quarter/Summer</th>
</tr>
</thead>
<tbody>
<tr>
<td>Environmental Chemistry</td>
<td>Environmental Microbiology (361-1)*</td>
<td>Environmental Laboratory (365)*</td>
<td>Bio-Chemical-Physical Processes (448)</td>
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<tr>
<td>Environmental Microbiology</td>
<td>Aquatic Chemistry (367)*</td>
<td>Physical-Chemical Process in Water Treatment (444)</td>
<td>Environmental Biotechnology (442)</td>
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<tr>
<td>Environmental Transport Processes (440)</td>
<td>1st Technical Elective*</td>
<td>2nd Technical Elective*</td>
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<tr>
<td>4th Course from Tracks below or as unrestricted elective</td>
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</tbody>
</table>

**Recommended: CIV ENV # 4 Courses/Quarter and the EES seminar series**

- Environmental Microbiology (361-1)*
- Aquatic Chemistry (367)*
- Environmental Transport Processes (440)
- Physical-Chemical Process in Water Treatment (444)

**Technical electives must be CIV ENV courses within the EES program**

- Metals in the Env. (468) and Environmental Organic Chemistry (370)
- Global Health: Achieving Global Impact Through Local Engagement
- Community Based Design (398-2)

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

* 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.

Additional Options:
- MS Thesis
- Research Project (499)
- Research Project (590)
- Community Based Design (398-1)
- Community Based Design (398-2)

Environmental Engineering Science Seminar Series (516) – no tuition zero credit seminar

8-27-2014