**Chemical: General Chemical Engineering (Option A)**

**September 2020** (students who entered *first year* in September 2017)

<table>
<thead>
<tr>
<th>Year 2:</th>
<th>NOTES:</th>
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</table>
| **Term A** | **Non-technical Electives:**  
Please choose a maximum of 1.0 credits (one 1.0 credit course or two 0.5 credit courses) from the 1000 level and a minimum of one 0.5 credit from the 2000 (or higher) level.  
http://www.eng.uwo.ca/undergraduate/upper_year/electives.html |
| AM 2270a | Applied Math for Engineering II |
| CBE 2206a | Introductory Industrial Organic Chemistry |
| CBE 2214a | Engineering Thermodynamics |
| CBE 2220a | Chemical Process Calculations |
| CBE 2290a | Fundamentals of Biochemical and Environmental Engineering |
| Writing 2130f | Building Better (Communication) Bridges: Rhetoric & Professional Communication for Engineers |
| **Term B** | Technical Elective List:  
Some technical electives may not be offered in a given academic year. Consult the Department for accurate listing. |
| AM 2277b | Applied Math Chemical and Civil Engineering III |
| CBE 2207b | Applied Industrial Organic Chemistry |
| CBE 2221b | Fluid Flow |
| CBE 2224b | Chemical Eng. Thermodynamics |
| CBE 2291b | Computational Methods for Engineering |
| SS 2143b | Applied Statistics and Data Analysis for Engineers |

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<th>Year 3:</th>
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<tbody>
<tr>
<td><strong>Term A</strong></td>
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<tr>
<td>CBE 3315a</td>
<td>Reaction Engineering</td>
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<tr>
<td>CBE 3324a</td>
<td>Mass Transfer Operations</td>
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<tr>
<td>CBE 3322a</td>
<td>Heat Transfer Operations</td>
</tr>
<tr>
<td>CBE 3325a</td>
<td>Particulate Operations</td>
</tr>
<tr>
<td>CBE 3395y</td>
<td>Chemical Engineering Lab</td>
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<tr>
<td>One 0.5 Non-technical elective</td>
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<tr>
<td><strong>Term B</strong></td>
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<tr>
<td>CBE 3310b</td>
<td>Process Dynamics and Control</td>
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<tr>
<td>CBE 3319b</td>
<td>Introduction to Plant Design and Safety</td>
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<tr>
<td>CBE 3323b</td>
<td>Staged Operations</td>
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<tr>
<td>CBE 3318b</td>
<td>Introduction to Chemical Process Simulation</td>
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<tr>
<td>CBE 3395y</td>
<td>Chemical Engineering Lab</td>
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<tr>
<td>ECE 2208b</td>
<td>Electrical Measurements</td>
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<tr>
<td>One 0.5 Non-technical elective</td>
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<tr>
<th>Year 4:</th>
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<tbody>
<tr>
<td><strong>Term A</strong></td>
<td></td>
</tr>
<tr>
<td>CBE 4497</td>
<td>Chemical Process and Plant Design</td>
</tr>
<tr>
<td>Three 0.5 Technical electives</td>
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<tr>
<td>One 0.5 Non-technical elective taken from approved list</td>
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<tr>
<td><strong>Term B</strong></td>
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<tr>
<td>CBE 4497</td>
<td>Chemical Process and Plant Design</td>
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<tr>
<td>ES 4498G</td>
<td>Engineering Ethics, Sustainable Development and the Law</td>
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<tr>
<td>Three 0.5 Technical electives</td>
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*Accelerated Masters students can take a graduate course with special permission from the Department Chair.*