This roadmap is a recommended semester-by-semester plan of study for this major. However, courses and milestones designed as critical (!) must be completed in the semester listed to ensure a timely graduation.

<table>
<thead>
<tr>
<th>Critical</th>
<th>Course Subject and Title</th>
<th>Credit Hours</th>
<th>Min. Grade</th>
<th>Major GPA</th>
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<td>Students not placed into MATH 12002 (semester 3) should take MATH 11010 and MATH 11022 in first year of study.</td>
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<td>Note: CHEM 30284 is highly recommended as an additional course for students planning to take the Medical College Admission Test (MCAT); Pre-med students should take the MCAT if applying to medical school spring or summer prior to the senior year (consult with advisor)</td>
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### Graduation Requirements Summary

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<tr>
<th>Minimum Total Hours</th>
<th>Minimum Upper-Division Hours 30000 – 40000 level course</th>
<th>Minimum Kent Core Hours</th>
<th>Minimum Major GPA</th>
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1. General Chemistry series may be substituted with honors General Chemistry (CHEM 10970, 10971)
2. UC 10097 is not required of transfer students with 25 credits (excluding College Credit Plus) or students age 21+ at time of admission
3. If CHEM 20481 is taken student must take CHEM 20482. If CHEM 30481 is taken student must take CHEM 30482
4. Students in the nursing [BSN-NURS] major may substitute NURS 40020 for PH 30007, NURS 40045 for PH 30033 and NURS 40872 for PH 30004.
5. A minimum C (2.000) grade must be earned to fulfill the writing-intensive requirement.

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**University Requirements:** Bachelor's degree-seeking students must meet Kent Core (general education requirements), diversity, writing-intensive and experiential learning requirements. For more information about these requirements, please read the following sections in the University Catalog: Kent Core – [www.kent.edu/catalog/kent-core](http://www.kent.edu/catalog/kent-core); Diversity Course Requirement – [www.kent.edu/catalog/diversity](http://www.kent.edu/catalog/diversity); Writing-Intensive Course Requirement – [www.kent.edu/catalog/wic](http://www.kent.edu/catalog/wic); Experiential Learning Requirement – [www.kent.edu/catalog/elr](http://www.kent.edu/catalog/elr).

**Attribute Legend:** DD Diversity–Domestic; DG Diversity–Global; ELR Experiential Learning; KAD Kent Core Additional; KBS Kent Core Basic Sciences; KCM Kent Core Composition; KFA Kent Core Fine Arts; KHU Kent Core Humanities; KMC Kent Core Mathematics and Critical Reasoning; KSS Kent Core Social Sciences; WIC Writing Intensive