

BENCHMARKS AND LEP REQUIREMENTS

OVERVIEW

- Chemistry and Biochemistry majors must complete specific **benchmark courses** for **two benchmark reviews**.
- **LEP gateway courses** are the benchmark courses for the **first benchmark review** (45 credit review).
- Additional courses are needed for the **second benchmark review** (75 credit review).
- Benchmark courses must be passed with a **"C-" or better**.
- Students must maintain **at least a 2.0 cumulative GPA** (LEP requirement).
- Students **may repeat only one LEP gateway course** (details on lep.umd.edu).
- Failure to meet benchmark and/or LEP requirements will lead to dismissal from the major.

BENCHMARK COURSES AND REVIEW TERMS – CHEM and BCHM BS Majors

First Benchmark – 45 credit review

Direct admit freshmen- complete by **3rd semester in major**

Transfer students- complete before entry into major

- MATH140 and MATH141
- (CHEM131 or CHEM146 or CHEM135) and (CHEM132 or CHEM177)*
- (CHEM231 and CHEM232) or CHEM237

*Transfer students (internal and external) can substitute CHEM132 for CHEM177.

Second Benchmark – 75 credit review

Direct admit freshmen- complete by **5th semester in major**

Transfer students- complete by **2nd semester in major**

- MATH140 and MATH141
- BSCI170 and BSCI171
- (CHEM131 or CHEM146 or CHEM135) and (CHEM132 or CHEM177)*
- (CHEM231 and CHEM232) or CHEM237
- (CHEM241 and CHEM242) or CHEM247
- (CHEM271 or CHEM276) and (CHEM272 or CHEM277)**
- PHYS141 or PHYS161 or PHYS171

*Transfer students (internal and external) can substitute CHEM132 for CHEM177.

**Students who take CHEM272 instead of CHEM277 must take an extra UL CHEM credit to make up the credit difference between the courses.

BENCHMARK COURSES AND REVIEW TERMS – CHEM BA Major

First Benchmark – 45 credit review

Direct admit freshmen- complete by **3rd semester in major**

Transfer students- complete before entry into major

- (MATH135 and MATH136) or (MATH135 and MATH140) or (MATH140 and MATH141)
- (CHEM131 or CHEM146 or CHEM135) and (CHEM132 or CHEM177)*
- (CHEM231 and CHEM232) or CHEM237

*Transfer students (internal and external) can substitute CHEM132 for CHEM177.

Second Benchmark – 75 credit review

Direct admit freshmen- complete by **5th semester in major**

Transfer students- complete by **2nd semester in major**

- (MATH135 and MATH136) or (MATH135 and MATH140) or (MATH140 and MATH141)
- (CHEM131 or CHEM146 or CHEM135) and (CHEM132 or CHEM177)***
- (CHEM231 and CHEM232) or CHEM237
- (CHEM241 and CHEM242) or CHEM247
- (CHEM271 or CHEM276) and CHEM277***
- PHYS131 or PHYS141 or PHYS161

***Transfer students (internal and external) can substitute CHEM132 for CHEM177. BA CHEM majors *must* take CHEM177 or CHEM277 but do not need to take both classes. BA majors can take the combination of CHEM177 and CHEM272 or the combination of CHEM132 and CHEM277.

FAQs

Is it possible to get an extension to complete benchmark requirements? Students who study abroad for a fall or spring semester, or who are away from the University for a semester are eligible for an extension to their benchmark reviews.