GUIDELINES FOR CHEMISTRY C105 ENROLLMENT

Chemistry Placement Examination: CPE

Several years ago, the Department of Chemistry and Chemical Biology (C&CB) instituted a Chemistry Placement Examination (CPE) to evaluate the preparedness of students for entry into Chemistry C105. It is our hope that through this assessment we can better serve student needs by describing the preparation required for Chemistry C105 more explicitly and to ensure that more accurate advising could be offered to students. C&CB offers a preparatory course for General Chemistry, Chemistry C101. This course has been constructed as a stand-alone introduction to chemistry or as preparation for further chemistry study offered by C&CB or other disciplines containing considerable chemistry content.

The overall result from guidance by the CPE has improved student success in the Chemistry C105-C106 General Chemistry sequence, has helped students to meet the requirements of their majors in a timely manner, and has enhanced student retention and overall success. This process involves assessment of scores both on the CPE and the ALEKS Math Placement Exam (MPE). The CPE requires no student fees. The CPE can be accessed from any computer connected to the internet for students who have been assigned an IU student ID number and will be taken through Canvas. It is not recommended that you use a tablet or mobile phone when taking this exam.

Prerequisites for Chemistry C105

The minimum prerequisites for enrollment in C105 are one year of high school chemistry and two years of high school algebra. If these prerequisites have not been met by the student, then the student must enroll in Chemistry C101. The widely available course “Integrated Chemistry and Physics” (ICP) does not meet the requirement for one year of high school chemistry. Credit earned by completion of an IU Chem C101 (or higher level) course with grade C– or better meets the chemistry prerequisite requirement.

Who must take this Examination?

All new entering students including transfer students, regardless of prior college chemistry credit at the 100-level, must take this exam in order to enroll in C105. Continuing students without C101 (or equivalent) credit are also required to take the exam in order to enroll in the general chemistry courses C105. Continuing students with C101 credit (grade C– or higher) within the past three years are not required to take the CPE.

When will the Examination be offered?

The CPE is offered online and may be taken at any time with a valid IU Student ID number. The student will take the CPE on IU Canvas using a link/access code provided by their advisor. The CPE is open book and has a 45-minute time limit. The link for the 2016-17 academic year is https://iu.instructure.com/enroll/HFX6BM. The access code will change with each C105 semester cohort.

What are the scores needed to enroll in the Chemistry options?

The placement process involves achieving qualifying scores both on the CPE and the ALEKS MPE.

1. **Recommended to Chem C105.** An CPE score of 25 or higher and an ALEKS MPE score of 50 or higher.
2. **Student’s Advisor Conditional Placement:** Only one score meets the CPE/MPE targets in #1 and the other score does not meet the target score in #1. If either the CPE score is 17 to 24 OR the ALEKS MPE score is 35 to 49, enrollment in C105 will be permitted with the approval of the student’s advisor. The advisor should consider performance in the prerequisite courses stated above and the likelihood of success based on recent academic data.
3. **Chemistry Advisor Conditional Placement:** Neither score meets the CPE/MPE targets in #1. If the CPE score is 17 to 24 AND the ALEKS MPE score is 35 to 49, enrollment in C105 will be permitted with the approval of both the student’s advisor and the Chemistry Department advisor.
4. **Required Enrollment in Chem C101.** If the CPE score is 16 or lower AND the ALEKS MPE score is 35 or higher, the student will enroll in Chemistry C101.

If the ALEKS MPE score is lower than 35 regardless of the CPE score, the student should take the appropriate math course(s) prior to enrollment in either C101 or C105.
Overall Process for Eligibility and Assessment for Chemistry C105 Enrollment

If prerequisites not met, take Chem C101
• Enroll in Chemistry C101 if the C105 prerequisites of one year of high school chemistry and two years of high school algebra are not met. Continuing students with IU C101 credit (C– or higher) within the past three years do not need to take the CPE and may enroll in C105 (math preparation should reflect credit in a course at the Math 11100 level or higher, or ALEKS ≥ 35).

If prerequisites met, take CPE & MPE
• Complete the Chemistry Placement Exam (CPE)
• Complete the Aleks Math Placement Exam (MPE)

CPE ≥ 25 and MPE ≥ 50
• With these placement scores, enroll in Chem C105.

CPE 17 - 24 or MPE 35 – 49
• With only one score not meeting enrollment targets above, advisor and student will assess whether C105 enrollment is warranted. Student's advisor will request Chemistry authorization for placement into C105.

CPE 17 - 24 and MPE 35 – 49
• With both scores not meeting enrollment targets above, advisor and student will assess whether C105 enrollment is warranted. Advisor then directs student to consult with the Chemistry advisor for approval of C105 enrollment.

CPE < 17 and MPE 35 or higher
• With these scores, enroll in Chem C101.

Any CPE score and MPE < 35
• If math proficiency is not established, enroll in the appropriate math course(s) before enrollment in any Chemistry.

Questions should be directed to Chemistry advisors Marie Nguyen (mlnguyen@iupui.edu) or Lin Zhu (zhu2@iupui.edu).