



CHEE ADVANCED STANDING TUTORIAL & FAQ

Requirements for Advanced Standing 2023-2024

Advanced standing allows College of Engineering students to take 300- and 400 level engineering classes. Without advanced standing, students can only take freshman and sophomore level College of Engineering classes. Students must meet with their CHEE Advisor to complete the application.

Requirements for Advanced standing:

- Must be a declared CHEE major
- Complete most (see deficiencies below) of the freshman and sophomore CHEE curricula
- Advanced Standing GPA of 2.3
- Major GPA of 2.0 (all sophomore level CHEE Courses)

What is Advanced Standing and How Do I Apply?

Use the video links below to learn how to understand the process and complete the application:

- Advanced Standing: [What is Advanced Standing and How Do I Get It](#)
- Advanced Standing: [What is the Advanced Standing Application Process Like](#)
- Advanced Standing: [How to Access Your Advisement Report](#)
- Advanced Standing: [How Do I Fill Out the Advanced Standing Application](#)

Simple Steps to Follow to Complete Application

- Download an **Academic Advisement Report**: [Tutorial](#)
- Choose **Application**: [Chemical Advanced Standing Application](#) or [Environmental Advanced Standing Application](#)
- Complete **the following sections** of the application:
 - [Student Information](#) and [Student Academic Information](#)
 - [AS Effective Term](#) and [Date Submitted](#)
 - [Deficiency Section](#): List Deficiencies along with when and where you plan to take them
 - [ENGR 102 Substitution](#): Have you taken ENGR 102? If not, you will complete a [substitution course](#) before you graduate
 - [General Education Remaining](#): List all the Gen Eds that you have remaining to take
 - [Mid-Career Writing Assessment](#): Must score a B or higher in ENGL 102, ENGL 108, or ENGL 109H
 - [Catalog](#): What catalog year are you on? Look at the top of your AAR. The semester listed indicates your catalog. Example: Fall 2021 or Spring 2022 = 21-22 Catalog
 - Complete the following columns for courses taken at University of Arizona
 - [Semester](#) (when course was taken) and [UA Grade](#) and [Units](#) (how many units?)
 - **Complete the following columns for transfer courses**
 - [Semester](#): when the course *transferred* to UA, NOT the semester you took the course
 - [Transfer Column](#): Transfer Course - input T (transfer) and A (letter grade) and AP Courses - input a T

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- **Look for your AS GPA:** auto populates at the bottom and top of the form

Email your application to the CHEE advisor email and **set up an appointment** before the priority date, **March 27, 2024** (set by the college). If you complete this process by the priority date, you will receive advanced standing before registration begin. Remember, you will not be able to enroll in 300 level engineering courses until you have been awarded advanced standing by the college. Please plan so you can complete this important process early! You can set up an appointment with your advisor starting in January to complete your application.

Types of GPA

The **cumulative GPA** is your overall GPA at the University of Arizona and includes all classes taken – gen-eds, CHEE courses, non-CHEE courses, electives, etc. The **advanced standing GPA** includes freshman and sophomore (lower division) CHEE curricula (math, science, engineering, and English). The **major GPA** includes all core CHEE courses (sophomore, junior and senior core courses); all electives; all other required courses in junior and senior years.

Transfer courses are NOT counted in any GPA. Transfer students must be especially aware of their Advanced Standing GPA. Because transfer units are not counted in any GPA's, transfer students will not have as many units factored into their GPA's. One low grade can have a significant effect on a transfer student's GPA.

Deficiencies

CHEE allows **TWO deficiencies**, meaning two courses you can take the first semester you are granted advanced standing. For example, if a student hasn't yet completed PHYS 241 and CHEM 241A, the student would take those classes the following semester along with 300-level CHEE courses. There are a couple of exceptions to this rule about what can be a deficiency and what cannot.

- **ENGR 102 is not considered a deficiency.** A ENGR 102 substitution can be taken any time before graduation.
- All CHEE sophomore level courses must be completed to apply for advanced standing. For Chemical students, **CHEE 201, 205, 202, and 203** must be completed. For Environmental students **CHEE 270, 205, 202 and 300** must be completed.
- All four of your math classes must be completed before the fall semester of your junior year begins for chemical students. For environmental students, the only course that could be a deficiency for junior year is MATH 223. MATH 122A/B or MATH 125, MATH 129 and MATH 254 must all be completed before your junior year.

Advanced Standing GPA Below 2.30

Students can retake or GRO courses to increase your AS GPA. Student should schedule an appointment with their CHEE Advisor to plan for when to GRO a course. If you retake a course at a different institution, you will keep the grade you made at UA as a part of your GPA's. You cannot use a GRO for a course that is taken at another

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institution. Make sure you understand the GRO policy, [how to apply for a GRO](#), and when you can apply for GRO by checking [dates and deadlines](#).

Advanced Standing Revoked

Yes, advanced standing can be revoked. Your advanced standing status can be revoked for the following reasons: you do not complete your deficiencies in the timeline outlined on your application, your AS GPA falls below a 2.3 at the end of the semester that you apply for advanced standing, or your AS GPA falls below a 2.3 while you have remaining deficiencies.

When is Advanced Standing Complete?

At the end of the semester that you complete all your advanced standing courses including any deficiencies with a 2.3 AS GPA. Once your Advanced Standing is complete, the only GPA's that you will be concerned with will be CGPA and MGPA. To graduate with an undergraduate degree in chemical or environmental engineering your CGPA and your MGPA must be a 2.0 or above.

Chemical Engineering Advanced Standing

The following courses are counted toward the advanced standing GPA. To apply for advanced standing, students must have all but two of these courses complete to apply for advanced standing.

English Composition: (must have a B or higher in ENGL 102, 108 or 109H to complete mid-career writing assessment requirement)

- ENGL 101 OR ENGL 107
- ENGL 102 OR ENGL 108
- Or ENGL 109H

Math: (Must be complete before fall of junior year)

- MATH 122A/B or MATH 125 Calculus I with Applications
- MATH 129 Calculus II
- MATH 223 Vector Calculus
- MATH 254 Differential Equations

Chemistry:

- CHEM 181 or 151 or 161/163 General Chemistry I
- CHEM 182 or 152 or 162/164 or MSE 110 General Chemistry II
- CHEM 241A or 242A or 246A Lectures in Organic Chemistry
- CHEM 243A or 247A Organic Chemistry Lab
- CHEM 241B Lectures in Organic Chemistry

Physics:

- PHYS 141 or 161H Introductory Mechanics
- PHYS 241 or 261H Introductory Electricity and Magnetism

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CHEE/ENGR courses: (Must be currently enrolled in CHEE courses to apply)

- CHEE 201 Elements of Chemical and Environmental Engineering I
- CHEE 205 Intro to MatLab and Python
- CHEE 202 Elements of Chemical Engineering II
- CHEE 203 Chemical Engineering Heat Transfer and Fluid Flow
- ENGR 102 A/B Intro to Engineering (not considered a deficiency – complete before graduation)

Environmental Engineering Advanced Standing

The following courses are counted toward the advanced standing GPA. To apply for advanced standing, students must have all but two of these courses complete to apply for advanced standing.

English Composition: (must have a B or higher in ENGL 102, 108 or 109H to complete mid-career writing assessment requirement)

- ENGL 101 OR ENGL 107
- ENGL 102 OR ENGL 108
- Or ENGL 109H

Math: (Must be complete before fall of junior year – 122A/B, 129 and 254 complete before junior year)

- MATH 122A/B or MATH 125 Calculus I with Applications
- MATH 129 Calculus II
- MATH 223 Vector Calculus
- MATH 254 Differential Equations

Chemistry:

- CHEM 181 or 151 or 161/163 General Chemistry I
- CHEM 182 or 152 or 162/164 or MSE 110 General Chemistry II
- CHEM 241A or 242A or 246A Lectures in Organic Chemistry
- CHEM 243A or 247A Organic Chemistry Lab

Physics:

- PHYS 141 or 161H Introductory Mechanics
- PHYS 241 or 261H Introductory Electricity and Magnetism

CHEE/ENGR courses: (Must be currently enrolled in CHEE courses to apply)

- CHEE 205 Intro to MatLab and Python
- CHEE 270 Intro to Environmental Engineering
- CHEE 202 Elements of Chemical Engineering II
- CHEE 300 Water Chemistry
- ENGR 102 A/B Intro to Engineering (not considered a deficiency – complete before graduation)

Further Questions

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Please reach out to a Chemical and Environmental Advisor for further questions: advising@chee.arizona.edu

