

## CHEM 1035/1045 Enrollment Information

Summer Orientation 2023

### **ELIGIBILITY FOR ENROLLMENT IN CHEM 1035/1045**

- To enroll in CHEM 1035, students must qualify by having the appropriate AP or IB score in chemistry or calculus, by having credit for a math class or CHEM 1014, or by earning the minimum score on the ALEKS Placement Assessment. Eligibility requirements are found here: <https://chem.vt.edu/academics/undergraduate/chem-readiness.html>. Students will not be able to enroll in CHEM 1035 until they have met one of the eligibility requirements.
- There is one placement assessment for both CHEM 1035 and MATH 1225. There are no policy changes from Spring 2023, but more information on the placement assessment can be found here: <https://chem.vt.edu/academics/undergraduate/chem-readiness/faq.html>. Also, see the CHEM 1035 Eligibility Quick Guide included at the end of this document.
- Students in majors that require CHEM 1035/1045 for graduation have received multiple emails through Slate about this Placement Assessment; please ensure that your advisees are aware of this requirement.

### **CHEM 1034 FOR STUDENTS WHO COULD BENEFIT FROM EXTRA HELP IN CHEM 1035**

General Chemistry Recitation, Chem 1034, is a one credit hour, pass/fail course designed to accompany Chem 1035. Chem 1035 is a co-requisite for this class. Students must be enrolled in Chem 1035 for enrollment in Chem 1034. If a student decides to withdraw from CHEM 1035 later in the semester, they should withdraw from CHEM 1034 as well. There are several sections of CHEM 1034, in the Fall 2023 timetable. This 1 credit, pass-fail class is intended to provide extra support for students who are eligible for CHEM 1035, but who have weaker math foundations and desire extra problem-solving practice. Each week, CHEM 1034 students complete a worksheet and a graded quiz and have the opportunity to get help with CHEM 1035 concepts from the recitation instructor. Students with ALEKS CHEM 1035 Placement Assessment scores between 61-70 are strongly encouraged to enroll in CHEM 1034 as studies have shown that students in this score range perform better in CHEM 1035 from the extra problem-solving skills that they gain from CHEM 1034.

### **CHEM 1014 FOR STUDENTS WHO ARE NOT ELIGIBLE FOR CHEM 1035**

Students who do not become eligible for enrollment in CHEM 1035/1045 should enroll in CHEM 1014, Chemistry Calculations. CHEM 1014 focuses on skills such as solving word problems, using a calculator, and manipulating algebraic expressions with the end goal of preparing students for success in CHEM 1035 in a subsequent semester.

## WAITLIST FOR OTHER MAJORS

- Students whose current majors do not require CHEM 1035 for graduation may not enroll in CHEM 1035/1045 at this time.
- These students can place their names on the wait list found here: <https://virginiatech.questionpro.com/t/AWpnmZw8cf>
- We will place as many waitlist students as we can into CHEM 1035, beginning about August 10. Students on the wait list will have to become CHEM 1035 eligible before enrolling in CHEM 1035.

Questions: Contact Shamindri Arachchige ([arachsm@vt.edu](mailto:arachsm@vt.edu))

## CHEM 1035 Placement at Virginia Tech

Virginia Tech will continue to use ALEKS PPL to assess students for placement into CHEM 1035. There are no policy changes from Spring 2023, but some important information and reminders are below.

1. Access to VT ALEKS Placement Assessments for the AY 2023-24 opened on March 1, 2023.
2. Each VT student is limited to a maximum of three (3) assessments.  
REMINDER (Updated November 2022): Students can take ALEKS assessments in more than one testing period. Regardless of when assessments are taken, once a student has completed a third assessment, that student may not take another assessment.
3. CHEM 1014, Calculations in Chemistry, 3 credits, will be offered online in Summer Start. A passing grade in CHEM 1014 will earn eligibility to enroll in CHEM 1035 for Fall 2023.
4. CHEM 1014 will be offered in-person in Fall 2023. A passing grade in this course will earn eligibility to enroll in CHEM 1035 in Spring 2024.

**IMPORTANT:** Seats in CHEM 1035 are subject to availability. As a result, we encourage students to earn eligibility as soon as they are able to, especially if they will consider taking CHEM 1014 over the summer.

Evaluation	<p>Incoming students will NOT receive an evaluation based on SAT/transcript data.</p> <p>All incoming and transfer students who intend to take CHEM 1035 in Fall 2023 will be required to</p> <ul style="list-style-type: none"><li>• earn a score of 61 or better on the ALEKS Placement Assessment</li><li>- OR -</li><li>• have a qualifying score on AP/IB/CLEP. The score must be reported to VT and appear in Hokie SPA.</li><li>- OR -</li><li>• have credit for CHEM 1014, MATH 1014, MATH 1025, MATH 1214, MATH 1536, or MATH 1225.</li></ul>
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Hokie SPA	<p>Students and advisors can view a student's CHEM 1035 eligibility through the orientation page on Hokie SPA. CHEM 1035 ALEKS Placement scores are processed nightly.</p> <ul style="list-style-type: none"> <li>• Eligible to enroll in CHEM 1035</li> <li>• Not eligible to enroll in CHEM 1035</li> <li>• CHEM 1035 eligibility not yet evaluated</li> </ul>
Availability	<p>The VT ALEKS Placement Assessment for the AY 2023-2024 cohort will remain open until Spring 2024. Seats in CHEM 1035 are not guaranteed. As a result, we encourage students to earn eligibility as soon as they are able to.</p>
Attempts	<p>Three (3) VT ALEKS Placement Assessments for CHEM 1035 will be available to earn eligibility for Fall 2023. Access opened on March 1, 2023.</p>
Proctoring	<p>Proctored remotely with LockDown Browser and Respondus Monitor.</p>
Restrictions	<p>The following restrictions apply to VT ALEKS Placement Assessments:</p> <ul style="list-style-type: none"> <li>• minimum of 3 hours spent in Prep &amp; Learning Module between each assessment AND,</li> <li>• minimum 24-hour waiting period between each assessment.</li> </ul>
Fee	<p>Free of charge for students</p>
Notification	<p>Students in majors requiring CHEM 1035 will be notified of CHEM 1035 Placement guidelines and ALEKS access, via email, beginning March 15, 2023. Emails will continue to be sent as students accept admission (3 days after acceptance).</p> <p>While only students in select majors will receive email notification (via SLATE), any Virginia Tech student who has not completed three (3) assessments, is eligible to complete a VT ALEKS Placement Assessment.</p> <p>Reminder emails are sent monthly, during the first week of April, May and June. A final reminder will be sent during the second week of June. After the second week of June, further follow up should be organized within advising departments.</p> <p>The Mathematics Department offered free, online, content support to students taking VT ALEKS Placement Assessments during Summer 2022. This resource was rarely used and the support will not be offered in Summer 2023.</p>

Students who do not earn qualifying score	Students who do not earn eligibility to enroll in CHEM 1035 through the VT ALEKS Placement Assessment or a qualifying college level exam score should enroll CHEM 1014. See <a href="https://chem.vt.edu/undergraduate/chem-readiness.html">https://chem.vt.edu/undergraduate/chem-readiness.html</a>
CHEM 1035 Eligibility for continuing students	<ul style="list-style-type: none"> <li>● Passing score on a VT ALEKS Placement Assessment for CHEM 1035; for the 2023-24 academic year this means 61 or higher</li> <li>- OR -</li> <li>● Qualifying score on an approved AP/IB/CLEP exam <a href="https://chem.vt.edu/undergraduate/chem-readiness.html">https://chem.vt.edu/undergraduate/chem-readiness.html</a></li> <li>- OR -</li> <li>● Qualifying grade on an approved math class or CHEM 1014 <a href="https://chem.vt.edu/undergraduate/chem-readiness.html">https://chem.vt.edu/undergraduate/chem-readiness.html</a></li> <li>- OR -</li> <li>● Previous enrollment in VT CHEM 1035</li> </ul> <p>NOTE: Transfer credit for CHEM 1035 does not satisfy a CHEM 1035 prerequisite</p>