



Program Map



Chemistry Emphasis - Associate of Science Transfer Degree (AST1)

Area of Study: Science, Technology, and Engineering

The study of chemistry is vast and involves research, observation, and learning about the natural world. A foundation in chemistry expands an individual's ability to think critically when problem-solving and has practical application in various disciplines. Clark's Chemistry program offers major level courses that are fully-transferable to four-year institutions.

> Free [Tutoring Services](#) are available to support you throughout your degree completion.

Program maps are suggested academic plans and should not be used in the place of regular academic advising. Your student entry method, placement, course availability, and program requirements are subject to change and transfer credit(s) may change your map/plan.

Year One

Fall Term

- CHEM& 141 General Chemistry I 4
- CHEM& 151 General Chemistry Laboratory I 1
- ENGL& 101 English Composition I 5
- MATH& 151 Calculus I 5

Winter Term

- CHEM& 142 General Chemistry II 4
- CHEM& 152 General Chemistry Laboratory II 1
- MATH& 152 Calculus II 5
- WS 101 Introduction to Women's Studies^ 5

Spring Term

- CHEM& 143 General Chemistry III 4
- CHEM& 153 General Chemistry Laboratory III 2
- MATH& 153 Calculus III 5
- Language or Humanities of choice^ 5

Year Two

Fall Term

- CHEM& 241 Organic Chemistry I 4
- CHEM& 251 Organic Chemistry Laboratory I 1
- PHYS& 241 Engineering Physics I 4
- PHYS& 231 Engineering Physics Lab I 1
- PHYS 094 Physics Calculations 1
- PE of choice 1
- * MATH 215, if needed 5

Winter Term

- CHEM& 242 Organic Chemistry II 4
- CHEM& 252 Organic Chemistry Laboratory II 1
- PHYS& 242 Engineering Physics II 4
- PHYS& 232 Engineering Physics Lab II 1
- PHYS 095 Physics Calculations 1
- PSYC& 100 Gen Psychology, SOC& 101 Intro Sociology^ 5

Spring Term

- CHEM& 243 Organic Chemistry III 4
- CHEM& 253 Organic Chemistry Laboratory III 2
- PHYS& 243 Engineering Physics III 1
- PHYS& 233 Engineering Physics Lab III 4
- PHYS 096 Physics Calculations 1
- Health class of choice^ 2

90 units required, 93 listed. View the [Clark College Catalog](#) for additional program information.

Key: ^ Alternative classes are available to fit your schedule or interest. & Common Course in the State of Washington.

Approximate Costs Each Term

Tuition \$1490* for 15 credits per term plus books, supplies, and miscellaneous fees. *Tuition based on Washington resident rates. View [residency classifications](#) on our website.

Customize with Advising

Make an appointment online with Advising Services to learn more about customizing your academic plan at clark.edu/advising.

How to Enroll

Visit Clark College's Welcome Center in Gaiser Hall room 127 or the [Get Started webpage](#) for information on becoming a new student. Email start@clark.edu or call 360-992-2078.

[Apply for Admission](#)

Support Services

At Clark College, we know that everyone who walks through our doors is a unique person with diverse, interesting and sometimes challenging circumstances. We are committed to ensuring each and every student can succeed at Clark, and are committed to serving systemically non-dominant communities, including (but not limited to) people of color, those who identify as LGBTQIA2S+ and people with disabilities. We have resource centers, clubs, programs and activities for all students.

Visit our [Student Support](#) page for more information.

Funding Options at Clark

There are many resources available to help students cover the costs to attend college—tuition, books, fees, tools, transportation, childcare, etc.—so you can focus on completing your degree or certificate.

Grants Based on need. You do not need to pay back grants.

Scholarships Similar to grants, and there are different criteria; Clark College awards hundreds of thousands of dollars to students each year. We encourage everyone to apply!

Student Employment & Work Study Money you earn through working part-time; this helps to reduce your reliance on loans, and build your skills and resume.

Loans If you do need to borrow additional funds to pay for college-related expenses, you can consider loans. It is money you borrow and will pay back with interest.

Specific Assistance For Veterans, worker retraining, DREAMers, students receiving DSHS benefits, and more.

For more information, visit our [paying for college website](#) or visit the **Office of Financial Aid** in Gaiser Hall room 101.

Career Opportunities

Career exploration and planning is an essential step to establishing your academic journey at Clark College and beyond. Career Services connects you with resources and strategies for career planning in six areas: knowing self; career awareness; relationship building and networking; work-based learning; job-search skills; and career readiness competencies. You are encouraged to participate in *MyPlan*, a comprehensive and interactive guide with activities to support your career, academic, and financial wellness planning. Visit [Career Services](#) in the Penguin Union Building room 002.

Students who complete the **Associate in Science Transfer (AST1) – Chemistry Emphasis** degree could be employed as: *Some careers may require a bachelor's degree or higher*

Chemical Technician
Chemist
Soil Technician
Quality Control Analyst
Toxicologist

Agricultural Scientists
Chemical Engineers
Environmental Scientists
Science Technician

Career exploration information established by Clark Faculty and Staff and WOIS > Chemist.



Clark College does not discriminate on the basis of race, color, national origin, age, perceived or actual physical or mental disability, pregnancy, genetic information, sex, sexual orientation, gender identity, marital status, creed, religion, honorably discharged veteran or military status, or use of a trained guide dog or service animal in its programs and activities, in accordance with state and federal laws. The responsibility for and the protection of this commitment extends to students, faculty, administration, staff, contractors and those who develop or participate in college programs. It encompasses every aspect of employment and every student and community activity. The following person has been designated to handle inquiries regarding non-discrimination policies: Vice President of Diversity, Equity, and Inclusion, Gaiser Hall (GHL) 220, 360-992-2757, or 360-991-0901 (video phone).

Alternate format of this document is available upon request. Please contact Disability Support Services at 360-992-2314, or 360-991-0901 (video phone).

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