



Chemistry

Program Map

Associate of
Science

General Transfer - w/Math
Placement 141 and HS Chem

Program description

Chemistry is, at its core, the study of all of the things in the world around us and central in applications to a variety of fields ranging from solar cell development to pioneering medical treatments. Through chemistry, students obtain skills necessary to understand properties of the both the macroscopic (large scale) and microscopic (small scale) worlds of science. Lecture-based teaching combined with hands on laboratory training make up the majority of chemistry classes at Highline, providing valuable skills in organization and communication necessary across the job market, as well as safe laboratory techniques necessary for any lab-based career.

[Learn More](#)

Key advisors

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Request a [faculty advisor](#).

Program map

The following program map contains recommended courses to complete your [AS-DTA degree](#). This document **does not** replace meeting with an advisor. Meet with an advisor to discuss your educational goals and plans. It is important to ensure you are taking pre-requisite courses for your transfer institution of choice.

First block

Courses: 15 credits	Credits	Complete?
ENGL& 101 – English Composition 1	5	
CHEM& 161 – General Chemistry w/Lab I	5	
MATH& 141 – Precalculus I	5	

Action items/milestones

- Meet with Pathway Advisor to confirm your Program of Study and Academic Plan

Second block

Courses: 15 credits	Credits	Complete?
MATH& 142 – Precalculus II	5	
CHEM& 162 – General Chemistry w/Lab II	5	
Distribution Area Course - Social Science	5	

Action items/milestones

- Meet with Faculty Advisor prior to completion of 30 credits

Third block

Courses: 15 credits	Credits	Complete?
CHEM& 163 – General Chemistry w/Lab III	5	
Math& 151 – Calculus I	5	
PHYS 139 - General Physics Prep*	5	

Fourth block

Courses: 15 credits	Credits	Complete?
CHEM& 261 – Organic Chemistry w/Lab I	5	
MATH& 152 – Calculus II	5	
PHYS 201 - Mechanics	5	

Fifth block

Courses: 15 credits	Credits	Complete?
CHEM& 262 – Organic Chemistry w/Lab II	5	
MATH& 163 – Calculus III	5	
PHYS 202 - Electricity and Magnetism	5	

Action items/milestones

- Meet with Faculty Advisor at or prior to completion of 75 credits

Sixth block

Courses: 15 credits	Credits	Complete?
CHEM& 263 – Organic Chemistry w/Lab III	5	
Distribution Area Course Humanities	5	
PHYS 203 - Waves, Thermodynamics and Modern Topics	5	

Action items/milestones

- Apply for graduation and register for commencement

Seventh block

Courses: 5 credits	Credits	Complete?
Distribution Area Course Social Science <u>or</u> Humanities (May be taken any Summer Quarter for timely completion.)	5	

Advising Notes

[Distribution Areas Course List](#)

- * Phys 139 is not a required course for the degree but is needed to take the yearlong physics series
- * Look for courses that fulfill the Diversity & Globalism Requirement.
- It is strongly recommended by transfer receiving institutions that you take the entire sequence of courses at one school.