



Civil Engineering Program Map

Associate of Science – Transfer (Track II – MRP)

Transfer to: UW, WSU

Program description

If you love solving problems and helping people, bioengineering or chemical engineering may be the right path for you. The Associate of Science degree in bioengineering and chemical engineering (AS-T Track II MRP) is a 105-credit specialized transfer degree designed to prepare students for admission with junior status standing into civil and mechanical engineering programs at participating baccalaureate institutions.

[Learn More](#)

Key advisors

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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.

Advising Notes

UW Seattle has a Fall start program. Apply to UW Seattle by Feb 15th and to the Engineering program by April 5th in your last year at Highline.

[Distribution Areas Course List](#)

* Look for courses that fulfill the Diversity & Globalism Requirement.

First block

| Courses: 15 credits | Credits | Complete? |
|---|---------|-----------|
| ENGL& 101 - English Composition I | 5 | |
| MATH& 141 - Precalculus I | 5 | |
| CHEM& 139 - General Chemistry Preparation | 5 | |

Action items/milestones

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

Second block

| Courses: 15 credits | Credits | Complete? |
|--|---------|-----------|
| ENGR& 104 - Introduction to Design | 5 | |
| MATH& 142 - Precalculus II | 5 | |
| CHEM& 161 - General Chemistry with Lab I | 5 | |

Action items/milestones

- Confirm your program of study at or before completing 30 credits.

Third block

| Courses: 15 credits | Credits | Complete? |
|---|---------|-----------|
| PHYS 139 - General Physics Prep | 5 | |
| MATH& 151 - Calculus I | 5 | |
| CHEM& 162 - General Chemistry with Lab II | 5 | |

Action items/milestones

- Meet with your assigned Faculty Advisor prior to registering beyond 45 credits.

Fourth block

| Courses: 15 credits | Credits | Complete? |
|----------------------------------|---------|-----------|
| MATH& 152 - Calculus II | 5 | |
| PHYS 201 - Mechanics | 5 | |
| ENGR& 114 - Engineering Graphics | 5 | |

Fifth block

| Courses: 15 credits | Credits | Complete? |
|--------------------------------------|---------|-----------|
| MATH& 163 - Calculus III | 5 | |
| PHYS 202 - Electricity and Magnetism | 5 | |
| ENGL& 235 - Technical Writing | 5 | |

Sixth block

| Courses: 15 credits | Credits | Complete? |
|-----------------------------------|---------|-----------|
| MATH 220 - Linear Algebra | 5 | |
| PHYS 203 - Wave and Modern Optics | 5 | |
| CSCI 132 - Introduction to Python | 5 | |

Seventh block

| Courses: 15 credits | Credits | Complete? |
|------------------------|---------|-----------|
| CS& 141 - Java I | 5 | |
| MATH 264 - Calculus IV | 5 | |
| ENGR& 214 - Statics | 5 | |

Action items/milestones

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

Eighth block

| Courses: 15 credits | Credits | Complete? |
|-----------------------------------|---------|-----------|
| ENGR& 215 - Dynamics | 5 | |
| MATH 230 - Differential Equations | 5 | |
| Distribution Requirement | 5 | |

Action items/milestones

- Apply for graduation and register for commencement

Ninth block

| Courses: 10 credits | Credits | Complete? |
|------------------------------------|---------|-----------|
| ENGR& 225 - Mechanics of Materials | 5 | |
| Distribution Requirement | 5 | |