

# UW College of Engineering Transfer Handout

Engineering Advising Center  
301 Loew Hall, Box 352180 • Seattle, WA 98195-2180  
206-543-1770 • [engradv@u.washington.edu](mailto:engradv@u.washington.edu)  
[www.engr.washington.edu/eadc](http://www.engr.washington.edu/eadc)

## Admission Requirements

Pre-engineering students must complete prerequisite courses and apply for admission to a Department. Admission is competitive. Transfer applicants wishing to enroll in any of UW's engineering departments must submit two applications – one to the UW Office of Admissions and one application to the College of Engineering. Please keep in mind that the University application deadlines are significantly sooner than the College of Engineering application deadlines. More information about requirements and deadlines is provided below.

## UW Application Deadlines

Qtr.	Transfer/Postbac Students	International Transfer Students
Aut.	February 15	February 15
Win.	September 15	No Admission
Spr.	December 15*	December 15 (BioE/ChemE only)
Sum.	February 15	February 15

Students can find out more about applying for transfer to UW at:

<http://admit.washington.edu>

## Departmental Application Deadlines

**Autumn Quarter - July 1** - All Departments, with the exception of Bioengineering and Chemical Engineering, admit transfer students Autumn Quarter. Students interested in Bioengineering should visit the Bioengineering website for information on transfer strategies (<http://depts.washington.edu/bioe>).

**\*Spring Quarter - February 1** - Bioengineering, Chemical, Computer, Electrical, Industrial, Materials Science, Bioresource Science, and Human Centered Design and Engineering admit students Spring Quarter.

***Aeronautics and Astronautics, Civil & Environmental, and Mechanical Engineering DO NOT ADMIT students Spring Quarter.***

Spring quarter admission to the University is only an option for students who are also applying for direct entry to an engineering program that offers spring admission. Because spring quarter is not open for general admission, the University online application will not be available. Applicants will submit a paper application to the UW Admissions Office.

**Note:** Students interested in applying to Bioresource Science and Engineering can apply on a continuous basis - please email [cfradv@u.washington.edu](mailto:cfradv@u.washington.edu) for more information.

**College of Engineering  
Admission/Graduation  
Requirements**

Application and graduation requirements in mathematics, natural sciences, written and oral communication and engineering fundamentals for all engineering programs are summarized on the next page. A majority of these requirements are typically completed in the first two years of study prior to transfer.

For more information on Human Centered Design and Engineering program requirements, contact the department adviser or the Engineering Advising Center ([hcde@uw.edu](mailto:hcde@uw.edu)).

For graduation all programs require minimum of 10 credits of VLPA and 10 credits of I&S course work plus an additional 4-10 credits of coursework from either category. The total VLPA/I&S requirements as well as other graduation requirements for each department is available on-line here: [http://www.engr.washington.edu/curr\\_students/academics/schedule.html](http://www.engr.washington.edu/curr_students/academics/schedule.html).

It is generally recommended that about half of the VLPA and I&S requirements be taken during the first two years of study.

**Other Information**

Each department has similar minimum requirements for application. The requirements listed are a minimum only - **however, the GPA of those offered admission is much higher.**

Departmental Minimum Application Requirements	
AA, CEE, MSE, ME	2.0 in each prerequisite course 2.50 average in prerequisite courses
ChemE, ISE, BSE	2.50 average in prerequisite courses
BioE	2.50 cumulative average
EE	2.50 average in prerequisite courses 2.50 cumulative average
HCDE	2.00 cumulative average 3.00 in the 13 required Written and Oral Communications credits

The Upper Division Admission Requirements listed on the following pages are for admission only and are subject to change. Some courses not demarcated by a diamond may count toward an upper division engineering elective. Please see individual department requirements for an exhaustive list of graduation requirements.

## Upper Division Engineering Admission Requirements

◆ REQUIRED for upper-division admission. Contact an advisor if courses will be in-progress at the time of application.

◇ REQUIRED for graduation. (If diamond covers more than one course either will satisfy the requirement)

### Mathematics

Course #	Cr	Title	Bio	Chemical	Computer	Electrical	BSE
Math 124, 125, 126	(5,5,5)	Calc I,II,III	◆	◆	◆	◆	◆
Math 307	(3)	Diff Equations	◇	◆	+	◇	◆
Math 308	(3)	Matrix Algebra	◇	◇	◇	◇	
Math 309	(3)	Linear Alegbra		◇†	+		
Math 324	(3)	Adv. Calc I				◇	
Math/Stat 390	(4)	Prob. & Stat.	◇	◇†	+	◇	
IND E 315	(3)	Prob. & Stat. for Engr		◇†			

+ Additional math required for graduation, see an advisor for more details

◇†Dept. requires one additional math/stats course from this list

### Natural Sciences

Course #	Cr	Title	Bio	Chemical	Computer	Electrical	BSE
Biol 180, 200	(5,5)	Intro Biology	◆*				
Chem 142	(5)	Gen Chem I/lab	◆	◆		◆	◆
Chem 152	(5)	Gen Chem II/lab	◆	◆			◆
Chem 162	(5)	Gen Chem III/lab	◆	◆			◆
Chem 223 or 237	(4)	Org Chem	◆	◇			◆
Chem 224 or 238	(4)	Org Chem		◇			◇
Phys 121	(4/1)	Mechanics/lab	◆	◆	◆	◆	◆
Phys 122	(4/1)	Elec & Mag/lab	◆	◆	◆	◆	◆
Phys 123	(4/1)	Waves/lab		◇		◇	◇

\* Biol 220 is a grad requirement but not an admission requirement

### Communication

Course #	Cr	Title	Bio	Chemical	Computer	Electrical	BSE
Engl. Comp	(5)		◆	◆	◆	◆	◆
HCDE 231	(3)	Tech Writing	◇	◇	◇	◇	◇
HCDE 333	(4)	Adv. Tech Writing		◇*	◇*	◇	

◇\* Departments will accept approved communications course - see department for list of approved courses.

### Engineering Fundamentals

Course #	Cr	Title	Bio	Chemical	Computer	Electrical	BSE
AMATH 301	(4)	Scientific Computing	◆	◇*			
CSE 142	(4)	Computer Prog. I			◆	◇	
CSE 143	(5)	Computer Prog. II			◆	◇	
Chem E 325	(4)	Thermodynamics		◇			◆
EE 215	(4)	Intro to Elec. Engr.			◇	◇	

◇\*Either AMATH 301 or CSE 142 accepted by ChemE. Chem E prefers AMATH 301.

Department Contact Info
Bioengineering Kelli Jayn Nichols - bioeng@u.washington.edu - 206-685-2022
Chemical Engineering Dave Drischell - advising@cheme@u.washington.edu - 206-543-2252
Computer Engineering Crystal Eney, Elise Dorough, Raven Avery - ugrad-adviser@cs.washington.edu - 206-543-1695
Electrical Engineering Brenda Larson/Stephanie Swanson - undergrad@ee.washington.edu - 206-543-2142
Bioresource Science and Engineering Michelle Trudeau- cfradv@u.washington.edu - 206-543-7081

All UW course numbering. Please use the UW Transfer Equivalency Guide to determine the course number at your community college. <http://admit.washington.edu/Requirements/Transfer/Plan/EquivalencyGuide>

## Upper Division Admission Requirements

◆ REQUIRED for upper-division admission. Contact an advisor if courses will be in-progress at the time of application.

◇ REQUIRED for graduation. (If diamond covers more than one course either will satisfy the requirement)

### Mathematics

Course #	Cr	Title	Aero/Astro	Civil	Electrical	Industrial	Materials Sci.	Mech.
Math 124, 125, 126	(5,5,5)	Calc I,II,III	◆	◆	◆	◆	◆	◆
Math 307	(3)	Diff Equations	◆	◇	◇	◇	◆	◇
Math 308	(3)	Matrix Algebra	◆	◆	◇	◇	◇	◇
Math 309	(3)	Linear Alegbra					◇†	◇
Math 324	(3)	Adv. Calc I	◆+		◇		◇†	
Math/Stat 390	(4)	Prob. & Stat.		◇	◇		◇†	◇
IND E 315	(3)	Prob. & Stat. for Engr				◇	◇†	

◆† Must be taken no later than Aut. Qtr. of admission, ◇† Department requires one additional math/stats course from this list

Note: Some departments will accept the AMATH equivalent for Math 307-309. Please see department for more info.

### Natural Sciences

Course #	Cr	Title	Aero/Astro	Civil	Electrical	Industrial	Materials Sci.	Mech.
Chem 142	(5)	Gen Chem I/lab	◆	◆	◆	◆	◆	◆
Chem 152	(5)	Gen Chem II/lab	◇*	◇		◆	◆	◆
Phys 121	(4/1)	Mechanics/lab	◆	◆	◆	◆	◆	◆
Phys 122	(4/1)	Elec & Mag/lab	◆	◆	◆	◆	◆	◆
Phys 123	(4/1)	Waves/lab	◆	◇	◇	◆	◇	◇

◇\* Recommended

### Communication

Course #	Cr	Title	Aero/Astro	Civil	Electrical	Industrial	Materials Sci.	Mech.
Engl. Comp	(5)		◆	◆	◆	◆	◆	◆
HCDE 231	(3)	Tech Writing	◇	◇	◇	◇	◇	◇
HCDE 333	(4)	Adv. Tech Writing	◇*		◇	◇*	◇*	◇*

◇\* Departments will accept approved communications course - see department for list of approved courses.

### Engineering Fundamentals

Course #	Cr	Title	Aero/Astro	Civil	Electrical	Industrial	Materials Sci.	Mech.
AMATH 301	(4)	Scientific Computing	◆+					◇
CSE 142	(4)	Computer Prog. I		◆*	◇	◇	◆*	
MSE 170	(4)	Materials Science				◇	◆	◇
AA 210	(4)	Statics	◆	◆		◇	◇	◆
CEE 220	(4)	Mech. Of Materials	◆	◆		◇	◇	◆
ME 230	(4)	Dynamics	◆	◆		◇		◆
EE 215	(4)	Intro to Elec. Engr.			◇	◇		◇
ME 123	(4)	Visualization & CAD						◇
AA 260	(4)	Thermodynamics	◆					

◆\*Either AMATH 301 or CSE 142 accepted by CEE & MSE. CEE prefers AMATH 301.

◆+ AMATH 301 or Math 324 must be taken no later than Autumn quarter of admission with at least one complete prior to admission.

#### Department Contact Info

Aeronautics and Astronautics

Marlo Anderson - ugadvising@aa.washington.edu - 206-616-1115

Civil and Environmental Engineering

Mariko Navin - ceadvise@u.washington.edu - 206-543-5092

Electrical Engineering

Brenda Larson/Stephanie Swanson - undergrad@ee.washington.edu - 206-543-2142

Industrial and Systems Engineering

Jennifer Wallace Tsai - ieadvise@u.washington.edu - 206-543-5041

Mechanical Engineering

Margo Segimoto - meadvise@u.washington.edu - 206-543-5090

Materials Science and Engineering

Kathleen Elkins - kelkins@u.washington.edu - 206-616-6581

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