

College of Engineering

Major Application Guidelines, Summer 2015 - Spring 2016 Major Admits

The information below summarizes the application to major criteria for students planning to ENTER THEIR MAJOR in Summer 2015, Autumn 2015, or Spring 2016. Students who meet the Guaranteed Admission criteria listed below will be admitted to the major program. Students who do not meet the Guaranteed Admission criteria may apply to the major, but admission decisions will be competitive and based on academic performance.

Students who earn transfer credit for any Application To Major Course Requirements should consult with the program's academic advisor to learn if their EPHR will include transfer credit grades or only grades earned at Ohio State.

Students should plan to apply to their major(s) of interest during the term in which they are enrolled in their last Application to Major Course(s), with the exception of ISE. ISE requires students to complete all Admission to Major courses before applying.

CPHR = Cumulative Point-Hour Ratio, or your cumulative OSU GPA

EPHR = Eligibility Point-Hour Ratio, or a secondary GPA based on select courses which are foundational to the major

Specialization	Apply In:	Guaranteed Admissions	Application To Major Course Requirements**	EPHR Calculation
Aero & Astro	AU	3.0 EPHR	EPHR COURSES..... ENGR 1181, 1182; MATH 1151, 1172, 2173; PHYSICS 1250, 1251; CHEM 1250; MECHENG 2040	Most recent attempt only Transfer grades included
			ADDITIONAL COURSES... ENGR 1100; ENGLISH 1110; AEROENG 2200	
Aviation	AU SP	2.0 CPHR, 2.0 EPHR	EPHR COURSES..... ENGR 1181, 1182; MATH 1151, 1172; PHYSICS 1250; AVN 2000, 2100; ENGLISH 1110	Best attempt only
			ADDITIONAL COURSES... ENGR 1100	
Biomedical	SP	Competitive Admission*	EPHR COURSES..... No EPHR Calculated	All attempts included
			ADDITIONAL COURSES... ENGR 1100, 1181, 1182; MATH 1151, 1172; PHYSICS 1250; CHEM 1210, 1220	
Chemical	AU SP	2.7 CPHR, 2.7 EPHR	EPHR COURSES..... ENGR 1181, 1182; MATH 1151, 1172; CHEM 1210, 1220	Best attempt only
			ADDITIONAL COURSES... ENGR 1100	
Civil	AU SP	3.0 EPHR	EPHR COURSES..... ENGR 1181, 1182; MATH 1151, 1172; PHYSICS 1250; one of the following: PHYSICS 1251 or CHEM 1250	Most recent attempt only Transfer grades included if 4+ EPHR courses are transferred
			ADDITIONAL COURSES... ENGR 1100; ENGLISH 1110	
Computer Science	AU SP SU	SU = 3.0 CPHR, 2.0 EPHR AU, SP = 3.2 CPHR, 2.0 EPHR	EPHR COURSES..... CSE 2221 and any higher-level CSE course(s) counting toward the major	Most recent attempt only
			ADDITIONAL COURSES... ENGR 1100, 1181, 1182; MATH 1151; PHYSICS 1250; ENGLISH 1110	
Electrical & Computer	AU SP SU	3.2 CPHR	EPHR COURSES..... ENGR 1181, 1182; MATH 1151, 1172; PHYSICS 1250, 1251; CHEM 1250; CSE 1222	Best attempt only
			ADDITIONAL COURSES... ENGR 1100; ENGLISH 1110	
Engineering Physics	SP	3.0 CPHR, 3.0 EPHR	EPHR COURSES..... MATH 1151, 1172; PHYSICS 1250, 1251	Best attempt only Transfer grades included
			ADDITIONAL COURSES... ENGR 1100, 1181, 1182	
Environmental	AU SP	3.0 EPHR	EPHR COURSES..... ENGR 1181, 1182; MATH 1151, 1172; PHYSICS 1250; CHEM 1210, 1220; MECHENG 2040	Most recent attempt only Transfer grades included if 4+ EPHR courses are transferred
			ADDITIONAL COURSES... ENGR 1100; ENGLISH 1110	
Food, Ag, Bio & Eco	AU SP SU	2.0 EPHR	EPHR COURSES..... ENGR 1181, 1182; MATH 1151, 1172; PHYSICS 1250, one of the following: CHEM 1210, CHEM 1250	Most recent attempt only
			ADDITIONAL COURSES... ENGR 1100 or 1110 and 1120	
Industrial & Systems	AU SP (Apply only after all courses have been completed)	3.2 EPHR	EPHR COURSES..... ENGR 1181; MATH 1151, 1172; PHYSICS 1250, 1251; CSE 1223; ENGLISH 1110	All attempts included Transfer grades included
			ADDITIONAL COURSES... ENGR 1110, 1182;	
			CONDITIONAL COURSES MATH 2568, STAT 3470 - Students do not have to have completed these courses to apply. However, final grades will be reviewed as part of the admission decision process when taken.	
Materials Science	AU	3.0 CPHR, 3.0 EPHR	EPHR COURSES..... ENGR 1181, 1182; MATH 1151, 1172; PHYSICS 1250; CHEM 1250; MATSCEN 2010 (C or better)	Most recent attempt only, except MSE 2010 (all attempts)
			ADDITIONAL COURSES... ENGLISH 1110	
Mechanical	AU SP (can only apply 2 times)	3.4 EPHR	EPHR COURSES..... ENGR 1181, 1182; MATH 1151, 1172, 2173; PHYSICS 1250, 1251; CHEM 1250; MECHENG 2010	Most recent attempt only Transfer grades included
			ADDITIONAL COURSES... ENGR 1100; ENGLISH 1110	
Welding	AU	3.0 CPHR, 3.0 EPHR	EPHR COURSES..... ENGR 1181, 1182; MATH 1151, 1172; PHYSICS 1250; CHEM 1250; MATSCEN 2010	Most recent attempt only
			ADDITIONAL COURSES... ENGLISH 1110	

* Enrollment capped at 75, competitive admissions for students

**Honors or other equivalent courses will also be accepted.

Revised 10/9/2014