

Classes of 2023,2024,2025 Checklist for the OR&E Major

See CoE and OR&E Handbooks for Details

Any course can be used only once, with exceptions for the technical communication requirement.

course	credits	term	grade	
College Requirements				
Engineering Courses (at least C-, at least C in noted courses)				
Core Courses				
CHEM 2090	4			
CS 1110 or 1112	4			1110 recommended
MATH 1910	4			
MATH 1920	4			
MATH 2940	4			At least C required
PHYS 1112	4			
PHYS 2213	4			
Choose One Course From Each Set				
CS 2800; MATH 2930, 3040				
CHEM 2080, 2150; CS 2800; MATH 3040, 3110, 3360				
Distribution Courses (2 courses)				
ENGRD 2700				At least C required
ENGRD				
ENGRD 2110 is required, used here or as major-approved elective, cat A				
Introductory Course (1 course)				
ENGRI				1101 recommended
Other				
First-Year Writing Seminars (2 courses)				
Liberal Studies (6 courses, 18 credits) category (CA,HA,etc.)				
Physical Education (2 courses + swim test)				
Technical Communication				

course	credits	term	grade	
Major Requirements				
Required Courses				
ORIE 3120				
ORIE 3300				
ORIE 3310				
ORIE 3500				
ORIE 3510				
ORIE 4580				
Choose one course				
ORIE 3150, 6XXX; MATH 3110, 4130, 4310, 4330				
ORIE Electives (9 credits)				
(Not ORIE 4152, 9000, 9100, 9101 or 9110.)				
Major-Approved Electives (12 credits)				
At least 6 credits in category A, at least 6 outside ORIE				
(see handbook for lists of courses) A or B				
Advisor Approved Electives (6 credits)				
Optional: ORE Honors Program (9 credits)				
Unused Courses				