

Engineering, Associate in Science for Oxnard College 2023-2024

C-ID (if applicable)	Oxnard College courses	VC Comparable Course	MC Comparable Course
	<b>Required Core Courses (30 units):</b>		
ENGR 110	ENGR R101 Introduction to Engineering (2 units)	ENGR V01 (3 units)	ENGR M01 (2 units)
MATH 210	MATH R120 Calculus w/Analytic Geometry I (5 units)	MATH V21A (5 units)	MATH M25A (5 units) OR MATH M25AH (5 units)
MATH 220	MATH R121 Calculus w/Analytic Geometry II (5 units)	MATH V21B (5 units)	MATH M25B (5 units) OR MATH M25BH (5 units)
MATH 230	MATH R122 Calculus w/Analytic Geometry III (5 units)	MATH V21C (5 units)	MATH M25C (5 units)
MATH 240	MATH R143 Differential Equations (3 units)	MATH V23 (3 units)	MATH M35 (3 units)
PHYS 205	PHYS R131 Physics for Scientists & Engineers I (5 units)	PHYS V04 (4 units) AND PHYS V04L (1 unit)	PHYS M20A (4 units) AND PHYS M20AL (1 unit)
PHYS 210	PHYS R132 Physics for Scientists & Engineers 2 (5 units)	PHYS V05 (4 units) AND PHYS V05L (1 unit)	PHYS M20B (4 units) AND PHYS M20BL (1 unit)
	<b>Choose a minimum of one course from the following support courses as appropriate to satisfy requirements for the intended transfer institution (3-5 units)</b>		
	CHEM R120 General Chemistry I (5 units)	CHEM V01A (3 units) AND CHEM V01AL (2 units)	CHEM M01A (5 units) OR CHEM M01AH (5 units)
CHEM 120S (applies to the series of CHEM 110 +CHEM II)	CHEM R122 General Chemistry II (5 units)	CHEM V01B (3 units) AND CHEM V01BL (2 units)	CHEM M01B (5 units)
CHEM 150	CHEM R130 Organic Chemistry I (5 units)	CHEM V12A (3 units) AND CHEM V12AL (2 units)	CHEM M07A (5 units)
CHEM 160S (applies to the Organic Chemistry series-	CHEM R132 Organic Chemistry II (5 units)	CHEM V12B (3 units) AND CHEM V12BL (2 units)	CHEM M07B (5 units)

CHEM 150- O. Chem I & O. Chem II)			
MATH 250	MATH R134 Linear Algebra (3 units)	MATH V22 (3 units)	MATH M25C (5 units)
PHYS 215	PHYS R133 Physics for Scientists & Engineers 3 (5 units)	PHYS V06 (4 units) AND PHYS V06L (1 unit)	PHYS M20C (4 units) AND PHYS M20CL (1 unit)
	<b>Choose a minimum of four Engineering courses as appropriate to satisfy requirements of the intended transfer institution:</b>		
ENGR 130	ENGR R130 Engineering Statics (3 units)	ENGR V12 (3 units)	ENGR M16 (4 units)
ENGR 230	ENGR R135 Dynamics (3 units)	No comparable course	ENGR M18 (3 units)
ENGR 140	ENGR R140 Materials Science and Engineering (3 units)	ENGR V18 (3 units)	ENGR M12 (3 units)
ENGR 140L	ENGR R140L Materials Science and Engineering Lab (1 unit)	ENGR V18L (1 unit)	ENGR M12L (1 unit)
ENGR 220	ENGR R148 Programming and Problem-Solving in MATLAB (2 units) Or MATH R148 Programming and Problem-Solving in MATLAB (2 units)	ENGR V14 (3 units)	ENGR M10 (3 units)
ENGR 150	ENGR R150 Engineering Graphics and Design (3 units)	ENGR V02 (3 units)	ENGR M04 (3 units)
ENGR 260	ENGR R160 Electronic Circuits and Devices (3 units)	ENGR V16 (3 units)	ENGR M20 (3 units)
ENGR 260L	ENGR R160L Electronic Circuits and Devices Laboratory (1 unit)	ENGR V16L (1 unit)	ENGR M20L (1 unit)
	<b>Total Required Major Units</b>	<b>41-47</b>	
	Oxnard College General Education	29	
	Double-Counted Units	-6	
	Free Electives Required	0	
	<b>Total Units Required for the A.S. Degree</b>	<b>64-70</b>	
	OR		
	<b>Total Required Major Units</b>	<b>41-47</b>	
	CSU GE-Breadth	39	
	Health (can be taken within CSU GE)	3	
	PE/Kinesiology activity	1	
	Double-Counted Units	-6-9	
	Free Electives Required	0	
	<b>Total Units Required for the A.S. Degree</b>	<b>75-81</b>	
	OR		
	<b>Total Required Major Units</b>	<b>41-47</b>	
	IGETC	37	
	Health	3	
	PE/Kinesiology activity	1	
	Double-Counted Units	-6	
	Free Electives Required	0	
	<b>Total Units Required for the A.S. Degree</b>	<b>76-82</b>	