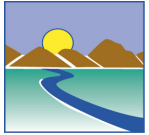


West Hills College Lemoore

Associate in Science (AS) Degree in Engineering

Two-Year Transfer Program in Engineering



P = Pre-requisite, C = Co-requisite, R = Recommended.

Shaded area indicates elective course with recommended course listed. (Refer to WHCL Catalog for alternative GE courses for AS Degree, or to IGETC or intended school of transfer for selection of Transfer GE courses.)

Curriculum (65 Units)	Year 1 at West Hills Lemoore		Year 2 at West Hills Lemoore	
	Fall (17)	Spring (15)	Fall (17)	Spring (16)
Math (18 Units)	MATH 1A (5) P: MATH 15 <i>Introduction to Calculus</i> Area-A	MATH 1B (5) P: MATH 1A <i>Calculus with Application</i>	MATH 2A (4) P: MATH 1B <i>Multivariate Calculus</i>	MATH 2B (4) P: MATH 2A <i>Differential Equations</i>
Physical Science (17 Units)	CHEM 1A (5) P: MATH 63 & High School Chemistry <i>General Chemistry I</i> Area-B	PHYS 4A (4) C: MATH 1B <i>Classical Mechanics</i> Area-B	PHYS 4B (4) P: PHYS 4A C: MATH 2A <i>Electricity, Magnetism & Waves</i>	PHYS 4C (4) P: PHYS 4B <i>Thermodynamics, Optics & Modern Physics</i>
Engineering (16 Units)	ENGR 10 (1) R: MATH 63 <i>Introduction to Engineering</i>	ENGR 15 (3) C: MATH 1A <i>Engineering Computations</i>	ENGR 35 (3) P: PHYS 4A C: MATH 2A <i>Vector Statics</i>	ENGR 25 (3) P: PHYS 4B, MATH 1B <i>Electrical Circuits</i>
	ENGR 20 (3) P: MATH 15 <i>Engineering Graphics</i>			ENGR 31 (3) P: CHEM 1A, PHYS 4A <i>Engineering Materials</i>
WHL Associate in Science (AS) Degree Additional General Education Requirements (14 Units)	ENG 1A (3) P: ENG 51A <i>Composition & Reading</i> Area-A	ENG 1B (3) P: ENG 1A <i>Literature, Critical Thinking & Writing</i> Area-C	ECON 1A (3) R: ENG 51A <i>Macroeconomics</i> Area-D	HE 35 or substitute with other qualifications (3) <i>Health Education</i> Area-E
			PE (2) (If under 21 at graduation) <i>Physical Education</i> Area-E	