

California State University Fresno
 Antelope Valley College
Mechanical Engineering Program
 Recommended Program Sequence

Bachelor of Science Degree

Student _____	ID# _____	Advisor _____
Telephone _____	Catalog Year _____	Grad Date _____
E-Mail _____		

ADVISING SHEET

MAJOR CODE: 054402

<u>Fall First Semester at AVC</u>	<u>Spring Second Semester at AVC</u>
Name (Units) Taken	Name (Units) Taken
Math 150 – Calculus I – (5) _____	Math 160 – Calculus II – (5) _____
PHYS 110/L – General Physics and Lab –(5) _____	Phys 120/L – General Physics and Lab(5) _____
ENGR 110 – Intro to Engineering – (1) _____	ENGR 115– Basic Engineering Drawing-(3) _____
ENGL 101 – Freshman Comp/Area A2- (3) _____	Comm 101 – Intro to Speaking/Area A1-(3) _____
CIS 161 – Intro to C Programming –(3) _____	Phil 105 – Ethics/Area C2-(3) _____
Art – Area C1-(3)* _____	
<u>Fall Third Semester at AVC</u>	<u>Spring Fourth Semester at AVC</u>
Name (Units) Taken	Name (Units) Taken
Math 250 – Calculus III –(5) _____	Math 230 – Differential Equation –(3) _____
ENGR 230/L – Circuit Analysis-(4) _____	ENGR 130/L – Material Science & Lab –(4) _____
ENGR 210 – Statics-(4) _____	Hist 107 or 108 – US History/Area D1-(3) _____
Chem 110/L – Chemistry and Lab/Area B1-(5) _____	Econ 101 or 102 – Economics/ Area D3-(3) _____
POLSI 101 or 102 – Political Science/Area D2-(3) _____	BIO 101/L – Biology/Lab Area B2&3-(4) _____
PHYS 210/L – General Physics and Lab –(5) _____	
<u>Fall Fifth Semester</u>	<u>Spring Sixth Semester</u>
Name (Units) Taken	Name (Units) Taken
ME 125 – Engineering Stats in Experimentation-(3) _____	ME 116 – Fluid Mechanics-(3) _____
ME 112 – Engineering Dynamics-(3) _____	ME 118 – Fluid Mechanics Lab-(1) _____
ME 115 – Instrumentation & Measurement Lab-(1) _____	ME 135 – Engineering Product Design (3) _____
ME 134 – Fundamentals of Machine Design-(3) _____	ME 136 – Thermodynamics-(3) _____
CE 121 – Mechanics of Materials-(3) _____	ME 140 – Advanced Engineering Analysis-(3) _____
ME 95 – Engineering Product Development-(3) _____	ME 2 - Computer Applications in ME –(2) _____
*Completion of Writing Exam _____	PHIL 316 – Philosophy (CSUB) – (5 QTR) _____
<u>Fall Seventh Semester</u>	<u>Spring Eighth Semester</u>
Name (Units) Taken	Name (Units) Taken
ME 145 – Heat and Mass Transfer –(3) _____	ME 155 – Elements of Systems Design –(3) _____
ME 154 – Design of Machine Elements –(3) _____	ME 164 or ME 166 – Design –(3) _____
ME 156 – Advanced Thermodynamics –(3) _____	ME Tech Area B – 3 units _____
ME 159 – Mechanical Engineering Lab –(1) _____	ME 135 – Engineering Product Design-(3) _____
ME Tech Area A – 3 units _____	
PLSI 304 – Political Science (CSUB) – (5 QTR) _____	

6 units Technical Area A courses: select from ME 137,142, 144, 146, or 162 3 units Technical Area B courses: ME 131, 180, 190, 191T, ECE 121, 121L, 155

*Art – 100,101,102,110,or 147

* Additional Requirement: Must pass the university writing exam or take IT 198W online course during the fifth semester.