

## MECH 4-yr. Plan

FALL	WINTER	SPRING
MATH 11/Calc & Analyt Geom I CHEM 11*/Gen Chem I MECH 10*/Graph Comm Des ENGR 1/Intro Eng Core Req. <b><u>(CTW 1)</u></b>	MATH 12/Calc & Analyt Geom II PHYS 31/for Sci & Eng I MECH 15*/ Intro Material Sci. (W/S) Core Req. <b><u>(C&amp;I 1)</u></b>	MATH 13/Calc & Analyt Geom III PHYS 32*+ Lab /for Sci & Eng II Core Req. <b><u>(C&amp;I 2)</u></b> Core Req. <b><u>(CTW 2)</u></b>
MATH 14/Calc & Analyt Geom IV PHYS 33*+ Lab /for Sci & Eng III CENG 41/Mech I - Statics Core Req.	AMTH 106/Differential Equations COEN 44 or 45*/Applied Programming ELEN 50*/ Electric Circuits I Core Req.	AMTH 118/Numerical Methods CENG 43*/Mech III – Str of Mat MECH 11/ Mats & Man Process Core Req.
MECH 114/Machine Design I MECH 114L/Machining Lab MECH 122*/Fluid Mechanics MECH 140/Dynamics MECH 102 <sup>1</sup> /Intro Mathematical Mthds	MECH 115/Machine Design II MECH 121/Thermodynamics I MECH 141*/Mechanical Vibrations Core Req.	MECH 142*/Control Systems, Analysis, and Design MECH 123*/Heat Transfer Technical Elective Core Req.
ENGL 181/Technical Writing I MECH 194/Advanced Design I (3) MECH 125/Thermal Systems Design Core Req.	MECH 195/Advanced Design II MECH 160*/Mod. Instrumentation Core Req.	MECH 196/Advanced Design III (3) Free Elective Technical Elective ENGL 182/Technical Writing II

\* Five Unit Courses. Freshman core courses (underlined) are coupled and need to be taken in the quarters designated

<sup>1</sup> Requirements based on previous Math performance; if not taken, an alternate Math/Science elective must be.