

THE MASTER'S UNIVERSITY
Mechanical Engineering Curriculum and Sample 4-Year Schedule
(total 132 credit hours)

General Education Requirements (58 units)

Major Requirements (74 units)

Bible (21 units)		Math & Science (29 units)	
Units	Course Name	Units	Course Name
3	Essentials of Christian Thought	4	Physics I/Lab
3	Old Testament Survey I	4	Chemistry I/Lab
3	Old Testament Survey II	3	Calculus I
3	New Testament Survey I	3	Calculus II
3	New Testament Survey II	3	Calculus III
3	Christian Theology I	3	Discrete Math
3	Christian Theology II	3	Linear Algebra
		3	Differential Equations
		3	Probability
Worldview & Skills (37 units)		Engineering & CS (45 units)	
Units	Course Name	Units	Course Name
3	Spoken Communication	3	Intro to Comp Programming
3	English Composition	4	Statics & Mech of Materials/Lab
3	English/World/American Literature	4	CAD & SolidWorks/Lab
3	General Literature Elective	3	Electric Circuits
3	Essentials of Economics & Society	1	Electric Circuits Lab
3	Essentials of World History I	4	Dynamics/Lab
3	Essentials of World History II	4	Kinematics & Robotics/Lab
3	Essentials of U.S. History	3	Thermodynamics
3	Biology/Geology	3	Fluid Mechanics
1	Biology/Geology Lab	3	Heat Transfer
3	Music/Art	3	Machine Design
3	Essentials of Philosophy	4	Design and Manufacturing/Lab
3	U.S. Government	3	Engineering & CS Elective
		3	Senior Design Project

Sample Schedule

<u>Freshman Fall (16 units)</u> Essentials of Christian Thought, OT Survey I, Calculus I, Physics I/Lab, Spoken Communication	<u>Freshman Spring (16 units)</u> OT Survey II, Calculus II, General Chem I/Lab, English Composition, Essentials of U.S. History
<u>Sophomore Fall (17 units)</u> Christian Theology I, Statics & Mech of Materials/Lab, CAD & SolidWorks/Lab, Intro to Comp Programming, Calculus III	<u>Sophomore Spring (18 units)</u> NT Survey I, Christian Theology II, Calculus IV, General Lit Elective, Econ & Society, Dynamics/Lab
<u>Junior Fall (15 units)</u> NT Survey II, World History I, Thermodynamics, Differential Equations, Music/Art	<u>Junior Spring (17 units)</u> World History II, Fluid Mechanics, Linear Algebra, Kinematics & Robotics/Lab, Biology/Geology/Lab
<u>Senior Fall (17 units)</u> Essentials of Philosophy, Heat Transfer, Electric Circuits/Lab, Design and Manufacturing/Lab, Probability	<u>Senior Spring (15 units)</u> English/World/American Lit, Machine Design, Senior Design Project, U.S. Government, Elective