

THE MASTER'S UNIVERSITY
Electrical 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 #	Course Name	Units	Course #	Course Name
3	B121	Essentials of Christian Thought	4	PS251	Physics I/Lab
3	B101	OT Survey I	4	CH151	Chemistry I/Lab
3	B102	OT Survey II	3	MA121	Calculus I
3	B201	NT Survey I	3	MA122	Calculus II
3	B202	NT Survey II	3	MA221	Calculus III
3	BTH321	Christian Theology I	3	MA231	Linear Algebra
3	BTH322	Christian Theology II	3	MA253	Discrete Mathematics
			3	MA282	Differential Equations
			3	MA365	Probability
Worldview & Skills (37 units)			Engineering & CS (45 units)		
Units	Course #	Course Name	Units	Course #	Course Name
3	C100	Spoken Communication	3	CS121P	Intro to Comp Programming
3	E110	English Composition	3	CS132S	Data Structures/Algorithms
3		English/World/American Literature	3	CS202H	Computer Hardware
3		General Literature Elective	3		Analog Circuits
3	ECN200	Essentials of Economics & Society	1		Analog Circuits Lab
3	H211	Essentials of World History I	3		Digital System Design
3	H212	Essentials of World History II	1		Digital Design Lab
3	H230	Essentials of U.S. History	3		Electromagnetics
3		Biology/Geology	3		Semiconductors
1		Biology/Geology Lab	5		Microelectronics/Lab
3		Music/Art	3		Signals and Systems
3	P311	Essentials of Philosophy	5		Digital Signal Processing/Lab
3	POL220	U.S. Government	3		Communication Systems
			3		Upper Div ECE/CS Electives
			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 (16 units)</u> NT Survey I, Christian Theology I, Intro to Comp Programming, Calculus III, Digital System Design/Lab	<u>Sophomore Spring (16 units)</u> NT Survey II, Christian Theology II, General Lit Elective, Data Structures/Algorithms, Biology/Geology/Lab
<u>Junior Fall (16 units)</u> World History I, Electric Circuits/Lab, Differential Equations, Music/Art, Semiconductors	<u>Junior Spring (18 units)</u> World History II, Software Engineering, Linear Algebra, English/World/American Literature, Econ & Society, Discrete Mathematics
<u>Senior Fall (17 units)</u> Essentials of Philosophy, Electromagnetics, Microelectronics/Lab, Probability, Signals and Systems	<u>Senior Spring (17 units)</u> Digital Signal Processing/Lab, Communication Systems, U.S. Government, Senior Design Project, Elective