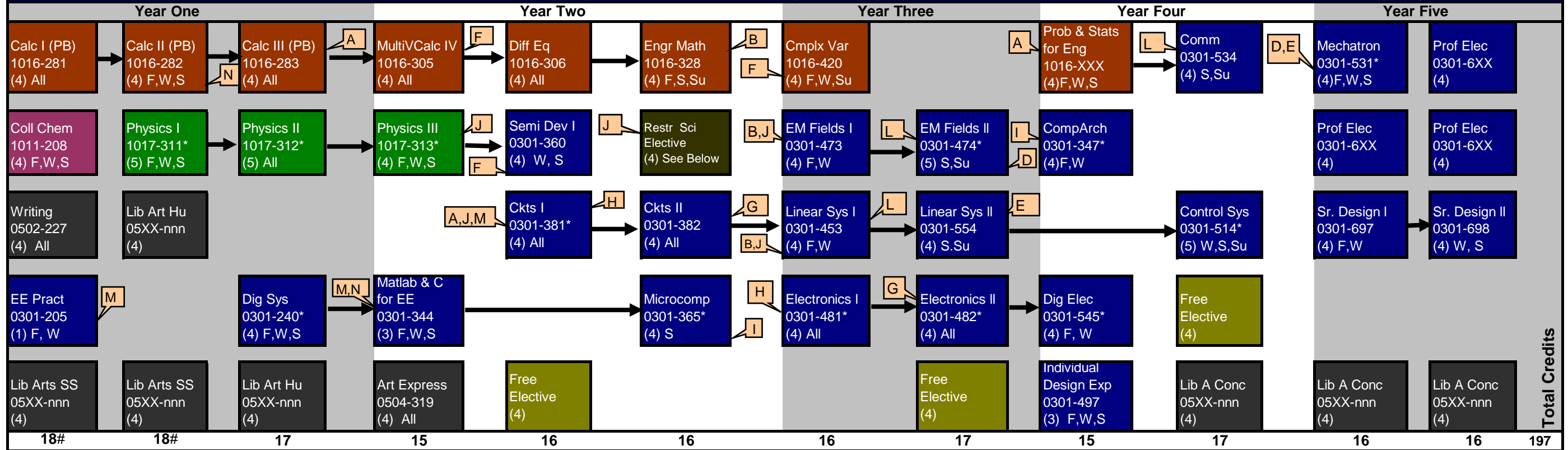





## 2009-2010 RIT BS Core Program in Electrical Engineering (EEEE) (Final Release VJA 6/30/2009)



Legend	Professional Electives:	Professional Electives from other departments can be taken with approval of Faculty Advisor.	Restricted Science Electives
<b>Math</b> <b>Physics</b> <b>Chemistry</b> <b>Liberal Arts</b> <b>Elect Engr</b> <b>Free Elect</b> <b>Comp Science</b> <b>Res Science</b>	<b>Biomedical</b> 0301-630 Biomed Instrumentation*(W) 0301-631 Biomedical Sensors and Transducers I* (W) 0301-632 Fund Electrophysiology*(S) 0301-633 Biomedical Signal Processing*  <b>Communications</b> 0301-677 Dig Filters & Signal Proc (F,Su) 0301-692 Communication Networks(W) 0301-693 Digital Data Communications(F)  <b>Control Systems</b> 0301-615 State Space Contol Sys(F,W) 0301-636 Biorobotics/Cybernetics 0301-647 Artificial Intelligence(W) 0301-685 Principles of Robotics*(F,W)  <b>Devices and Integrated Circuits</b> 0301-610 Analog Electronic Design*(F) 0301-612 Adv Semiconductor Dev (F) 0301-646 Power Electronics(S) 0301-650 Design of Digital Systems*(F,W) 0301-679 Analog Filter Design(F)	<b>Digital &amp; Computer Systems</b> 0301-650 Design of Digital Systems*(F,W) 0301-651 Physical Implementation of ICs(F,W) 0301-655 Microcomputer Software I(S)  <b>Electromagnetic Fields &amp; Optics</b> 0301-601 Modern Optics for Engineers (F) 0301-621 Microwave Engineering*(W)  <b>MEMs</b> 0301-686 MEM's Design (F) 0301-688 MEMS Systems Evaluation(S)  <b>Signal Processing</b> 0301-677 Dig Filters & Signal Proc (F,Su) 0301-679 Analog Filter Design(F)	1017-314 Modern Physics 0301-370 Nano-Science, Engr. & Tech(S)  <b>Cooperative Work Experience:</b> Five Coop quarters distributed as suggested  <b>PE Activities (2)</b>
Course Name Course # (Cr) Quarters- * Indicates lab included  <b>Prerequisites</b> Definitions  Course Prerequisites  Prerequisite 	<b>Liberal Arts Core</b> <b>24 Quarter Credits</b>  <b>Social Science Courses</b> Choose two courses, one from each of two different areas: 1) 0514-210 Intro to Psychology 2) 0511-211 Principles of Microeconomics 3) 0513-211 American Politics OR 0513-214 Intro to International Relations 4) 0515-210 Foundations of Sociology 5) 0510-210 Cultural Anthropology  <b>Liberal Arts Concentration</b> <b>12 Quarter Credits</b>	<b>Humanities Courses</b> Choose two courses, one from each of two different areas: 1) 0507-301 American History 0507-302 Modern European History 0507-305 Special Topics History 0507-306 Special Topics European History 2) 0505-213 Visual Arts 0505-214 Musical Arts 0505-215 Film Arts 0505-216 Theater Arts 3) 0509-210 Intro. To Philosophy 0509-211 Ethics 0509-213 Critical Thinking 0509-217 Ethics in the Info Age 4) 0504-210 Literary & Cultural Studies 0508-211 Science, Tech & Values 0508-212 Intro to Environmental Studies	
	# Credit hours include 1 additional credit for First Year Enrichment		