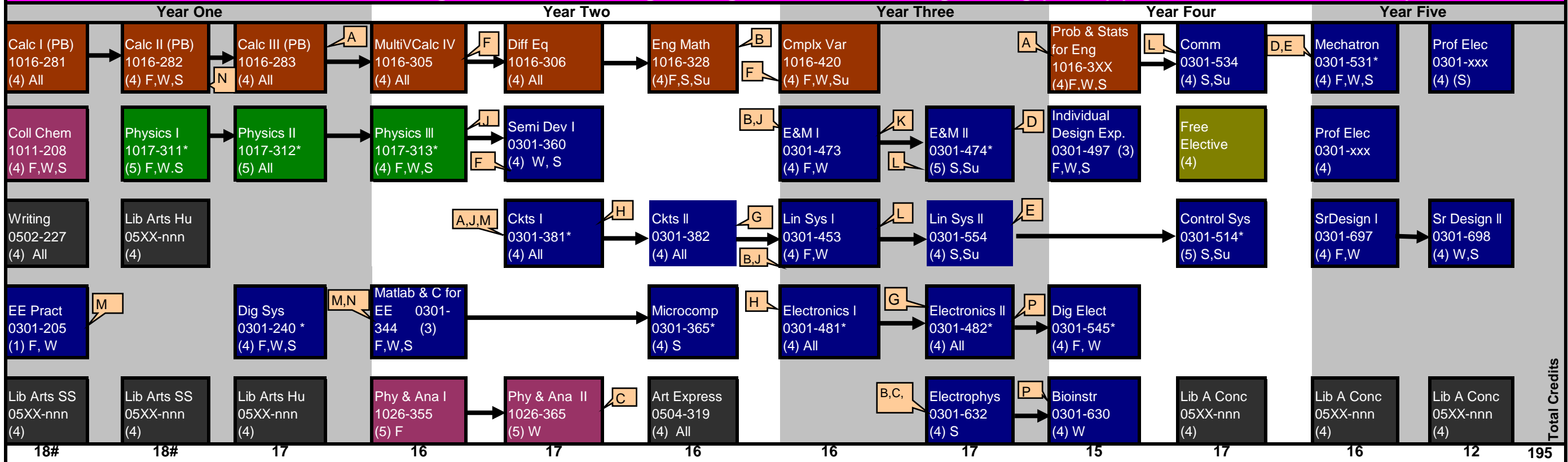


2009-2010 RIT BS Core Program in Electrical Engineering with Biomedical Engineering (EEM) (Final Release VJA 6/30/2009)



Legend Math Physics Chem-Bio Liberal Arts Elect Engr Free Elect Comp Science Res Science Course Name Course # (Cr) Quarters- * Indicates lab included Prerequisites Definitions Course Prerequisites Prerequisite 	Professional Electives: Professional Electives from other departments can be taken with approval of Faculty Advisor.			PE Activities (2)
	Biomedical Option (Select one of the following professional electives) 0301-631 Biomedical Sensors and Transducers I* (W) 0301-633 Biomedical Signal Processing* Communications 0301-677 Dig Filters & Signal Proc (F,Su) 0301-692 Communication Networks(W) 0301-693 Digital Data Communications(F) Control Systems 0301-615 State Space Contol Sys(F,W) 0301-636 Biorobotics/Cybernetics 0301-647 Artificial Intelligence(W) 0301-685 Principles of Robotics*(F,W) Devices and Integrated Circuits 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)	Digital & Computer Systems 0301-650 Design of Digital Systems*(F,W) 0301-651 Physical Implementation of ICs(F,W) 0301-655 Microcomputer Software I(S) Electromagnetic Fields & Optics 0301-601 Modern Optics for Engineers (F) 0301-621 Microwave Engineering*(W) MEMs 0301-686 MEMS Desgin(F) 0301-688 MEMS Systems Evaluation(S) Signal Processing 0301-677 Dig Filters & Signal Proc (F,Su) 0301-679 Analog Filter Design(F)	Cooperative Work Experience: Five Coop quarters as follows: Year 3 Fall Years 4 & 5 (6 month block) Su, F (Co-op-2)	Liberal Arts Core 24 Quarter Credits Social Science Courses 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 Liberal Arts Concentration 12 Quarter Credits
# Credit hours include 1 additional credit for First Year Enrichment				