

Electrical Engineering: Biomedical Signals and Systems (Option G)

September 2020 (for students who entered first year in September 2017)

<p>Year 2</p> <p>Term A</p> <p>AM 2270A Applied Mathematics for Engineering II CS 1037A Computer Science Fundamentals II ECE 2205A Electric Circuits I ECE 2277A Digital Logic Systems ECE 2240A Electrical Laboratory Writ 2130F Building Better (Communication) Bridges: Rhetoric & Professional Communication for Engineers</p> <p>Term B</p> <p>AM 2276B Applied Mathematics for Elec. & Mech. Engineering III ECE 2231B Introduction to Electronics ECE 2233B Circuits and Systems ECE 2236B Magnetic Circuits and Transmission Lines ECE 2242B Principles of Design in Electrical Engineering MME 2234B Heat Transfer and Dynamics</p> <p>Year 3</p> <p>Term A</p> <p>AM 3415A Applied Math for Electrical Engineering ECE 3330A Control Systems ECE 3332A Electric Machines ECE 3337A Electronic Circuits SS 2141A Applied Probability and Statistics for Engineers MedBio 3330F Human and Animal Biomechanics</p> <p>Term B</p> <p>ECE 3331B Introduction to Signal Processing ECE 3336B Electromagnetic Theory ECE 3375B Microprocessors and Microcomputers MedBio 3507G Analysis for Oxygen Transport in Biological Systems One 0.5 technical elective credit from the approved list One 0.5 non-technical elective credit from the approved list</p> <p>Year 4</p> <p>Term A</p> <p>ECE 4416 Electrical/Computer Engineering Project ECE 4429A Advanced Digital Signal Processing ECE 4437A Communications Theory ECE 4445A Introduction to Digital Image Processing Physiol 2130 Human Physiology ECE 4455A Biomedical Systems Analysis</p> <p>Term B</p> <p>ECE 4416 Electrical/Computer Engineering Project ECE 4438B Advanced Image Processing and Analysis ES 4498G Engineering Ethics, Sustainable Development & the Law Physiol 2130 Human Physiology Two 0.5-credit non-technical elective from approved list</p>	<p>NOTES:</p> <p>Non-technical electives: Please choose 1.0 credits (one 1.0-credit or two 0.5-credit courses) from the 1000 level and one 0.5-credit course from the 2000 (or higher) level.</p>
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