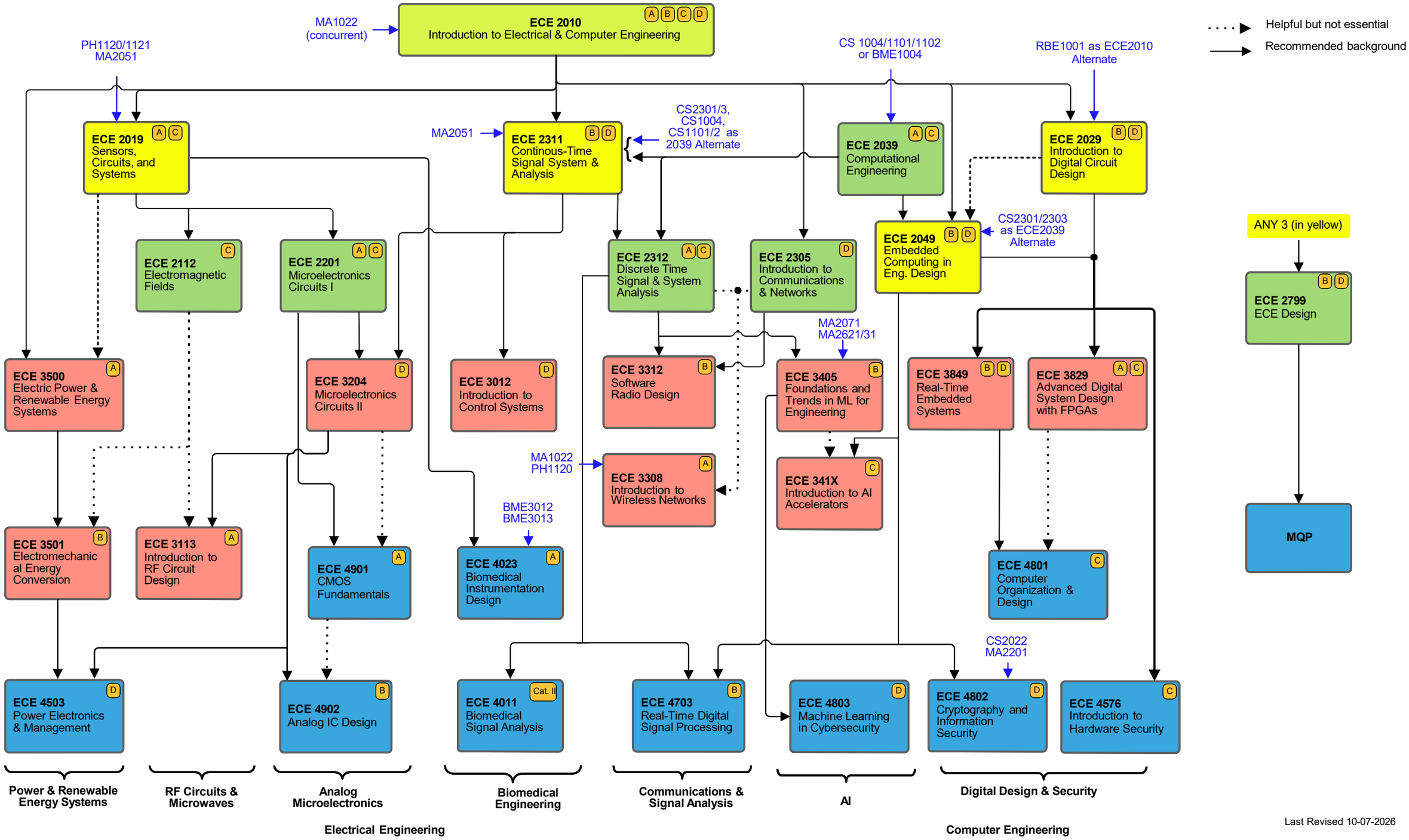

Helpful but not essential
Recommended background
MA1022 (concurrent)
ECE 2010 Introduction to Electrical & Computer Engineering
PH1120/1121 MA2051
CS 1004/1101/1102 or BME1004
RBE1001 as ECE2010 Alternate
ECE 2019 Sensors, Circuits, and Systems
MA2051
ECE 2311 Continous-Time Signal System & Analysis
CS2301/3, CS1004, CS1101/2 as 2039 Alternate
ECE 2039 Computational Engineering
ECE 2029 Introduction to Digital Circuit Design
ECE 2112 Electromagnetic Fields
ECE 2201 Microelectronics Circuits I
ECE 2312 Discrete Time Signal & System Analysis
ECE 2305 Introduction to Communications & Networks
ECE 2049 Embedded Computing in Eng. Design
CS2301/2303 as ECE2039 Alternate
ANY 3 (in yellow)
ECE 2799 ECE Design
MQP
MA2071 MA2621/31
ECE 3500 Electric Power & Renewable Energy Systems
ECE 3204 Microelectronics Circuits II
ECE 3012 Introduction to Control Systems
ECE 3312 Software Radio Design
ECE 3405 Foundations and Trends in ML for Engineering
ECE 3849 Real-Time Embedded Systems
ECE 3829 Advanced Digital System Design with FPGAs
MA1022 PH1120
ECE 3308 Introduction to Wireless Networks
ECE 341X Introduction to AI Accelerators
BME3012 BME3013
ECE 3501 Electromechanical Energy Conversion
ECE 3113 Introduction to RF Circuit Design
ECE 4901 CMOS Fundamentals
ECE 4023 Biomedical Instrumentation Design
ECE 4801 Computer Organization & Design
CS2022 MA2201
ECE 4503 Power Electronics & Management
ECE 4902 Analog IC Design
ECE 4011 Biomedical Signal Analysis
Cat. II
ECE 4703 Real-Time Digital Signal Processing
ECE 4803 Machine Learning in Cybersecurity
ECE 4802 Cryptography and Information Security
ECE 4576 Introduction to Hardware Security
Power & Renewable Energy Systems
RF Circuits & Microwaves
Analog Microelectronics
Biomedical Engineering
Communications & Signal Analysis
AI
Digital Design & Security
Electrical Engineering
Computer Engineering
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