Electrical Engineering Course Flow Fall FY Spring Sophomore Spring FY Fall Sophomore Spring Junior **Fall Senior** Spring Senior EE 30321 Embedded EE 41430 EE 41440 EE 10115 Systems Design I Design II CSE 20133 CSE 20221 EE 30342 Logic Design **Microelectronics** EG 10111 EE 20225 EE 20242 EG 10112 EE 40442 Intro to Eng. Intro to EE Power Electronics ntro to Eng. I **Electronics** EE 40432 (Even Years) Sys. Biology EE 40485 EE 40478 **CHEM 10171 CHEM 10122 Neural Nets** Ouantum Computing Chemistry II Chemistry I EE 47040 **Biomed Devices** EE 40475 Basic Science Core (8) **Game Theory** MATH 30650 EE 30363 Diff EO Basic Engineering Core (2) MATH 20580 EE 40354 MATH 10550 MATH 10560 MATH 20550 Random Linear Algebra **Multimedia** Calculus I Calculus II Calculus III - Electrical Engineering Core (12) & Diff EQ EE 40455 Electrical Engineering EE 20234 EE 20224 EE 30344 Controls Laboratory Electives (1) EE 40453 Circuits II Sig. & Sys. Circuits I Communications - Electrical Engineering (Even Years) Electives (5) EE 40471 DSP First Year Technical Electives (3) (Odd Years) (Note: Many additional Technical Electives available junior/senior year) EE 30372 - Prerequisite EE 40472 Power Sys. (Odd Years) lec. Vechicles EE 40458 - Prerequisite that can Microwave be taken concurrently Circuits EE 30358 EE 30348 Wave. & Ant. **Emag** Note: Core classes are placed in the recommended EE 30347 PHYS 10320 EE 30357 semester. Elective classes are placed in the earlierest **PHYS 10310** semester that they can typically be taken. Any class Physics II Elec. Devices Physics I can be taken earlier if the prerequistes are satisified. EE 40446 EE 40345 EE 40468 IC Fab EE 47055 Audio Tech. Author: Dr. Robert Stevenson **Photonics Biophotonics** Date: 1/24/19