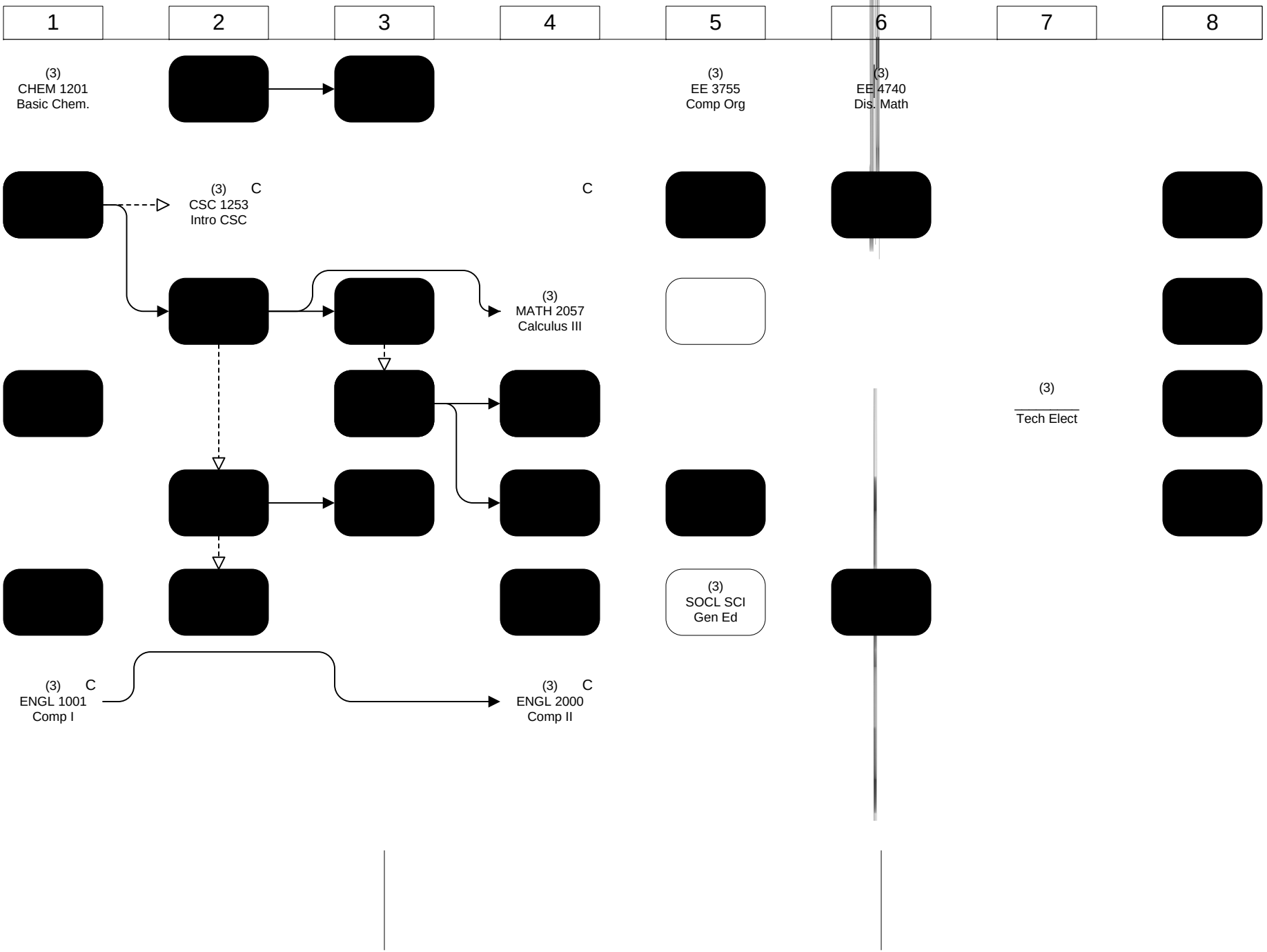COMPUTER ENGINEERING