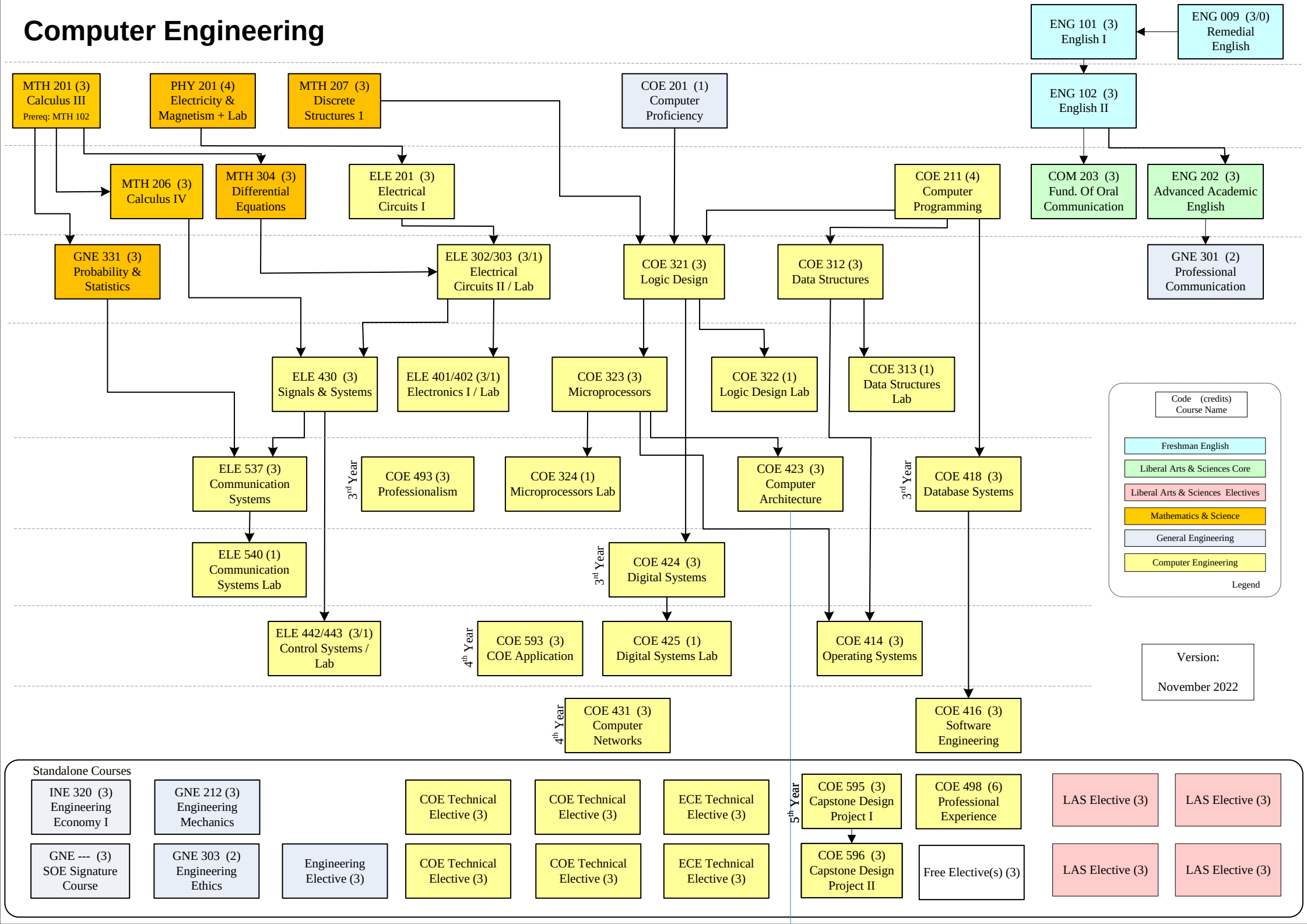Computer Engineering