

NORTHWESTERN UNIVERSITY

# ELECTRICAL ENGINEERING & COMPUTER SCIENCE

TECH, ROOM L359

## ACADEMIC OPTIONS

- BACHELOR OF SCIENCE IN COMPE
- 5-YEAR COMBINED BS + MS PROGRAM
- EASY TO DOUBLE-MAJOR WITH CLOSE AREAS EE OR CS WITH AP CREDITS
- NEW PRE-MED OPTION

## WHAT HAPPENS AFTER GRADUATION?

- STARTING SALARIES OVER 60K (16% ABOVE NATIONAL AVERAGE)
- OUR GRADUATES ARE ROUTINELY PLACED WITH LEADING TECHNOLOGY COMPANIES (IBM, INTEL, MOTOROLA, NORTHROP GRUMANN), INDUSTRIES WHERE ENGINEERING KNOWLEDGE APPLIED (FORD, GENERAL MOTORS), AND CONSULTING SECTOR
- PLACEMENT IN TOP GRADUATE PROGRAMS FOR PHD AND PROFESSIONAL DEGREES

## WHOM SHOULD I CONTACT TO LEARN MORE?

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## COMPE EDUCATION PREPARES ENGINEERS TOWARD A BALANCED AN INTEGRATED SET OF SKILLS TO:

- INNOVATE AND MANAGE BOTH HARDWARE AND SOFTWARE TECHNOLOGY FOR BUILDING COMPUTERS
- DEVELOP SOFTWARE FOR COMPUTERS
- MANAGE LARGE SCALE SYSTEMS COMPRISED OF NETWORKS OF COMPUTERS FOR TACKLING CHALLENGING COMPUTATIONAL TASKS

## COMPUTER ENGINEERING "COMPE"

## WHAT JOBS DO COMPE'S PERFORM?

COMPE'S HAVE VERY BROAD PROFESSIONAL EMPLOYMENT OPPORTUNITIES INCLUDING DESIGN AND MANAGEMENT RESPONSIBILITIES WORKING IN

- MICROCHIPS AND COMPUTERS
- APPLICATION-SPECIFIC INTEGRATED HARDWARE-SOFTWARE SYSTEMS
- AEROSPACE AND DEFENSE SYSTEMS
- INTERNET AND INTRANETS

## WHAT DISCIPLINES MIGHT COMPE'S USE IN THEIR WORK?

- CALCULUS AND LINEAR ALGEBRA, PROBABILITY AND STATISTICS, DISCRETE MATHEMATICS
- ELECTRONIC CIRCUITS AND PHYSICAL ELECTRONICS
- DIGITAL LOGIC AND VLSI DESIGN
- COMPUTER ARCHITECTURE
- SOFTWARE DESIGN: PROGRAMMING, DATA STRUCTURES, OPERATING SYSTEMS
- EMBEDDED SYSTEMS DESIGN: UNIFIED HARDWARE-SOFTWARE SYSTEMS

## McCormick

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