

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Computer Science Bachelor of Science Program

Program Total is 191 Hours

I. COMPUTER SCIENCE AND ENGINEERING COURSES (86 HOURS)

A. Required Computer Science Courses (31 hours)

CS 240 Computer Programming I
CS 241 Computer Programming II
CS 242 Computer Programming III
CS 400 Data Structures and Algorithms
CS 405 Introduction to Data Base Man. Systems
CS 415 Social Implications of Computing
CS 466 Introduction to Formal Languages
CS 480 Comparative Languages

B. Required Computer Engineering Courses (16 hours)

CEG 233 Linux and Windows
CEG 320 Computer Organization
CEG 433 Operating Systems
CEG 460 Introduction to Software Engineering

C. CS/CEG Electives (36 hours)

At least 16 hours must be at the 400 level.

D. Technical Communication (3 hours)

EGR 335 Technical Communications

II. GENERAL EDUCATION (40 hours)

Area I- Communication and Mathematical Skills (8 hours)

ENG 101 - Composition I
ENG 102 - Composition II
Mathematics (*satisfied by required Math/Stat section*)

Area II – Cultural-Social Foundations- (8 hours)

Area III – Human Behavior – (8 hours)

Area IV – Human Expression – (4 hours)

Additional courses from Areas II, III, and IV (8 hours)

Area V – Natural Sciences

Satisfied by required Laboratory Science Sequence.

Area VI – College Component (4 hours)

Select any Area VI College of Liberal Arts course.

III. MATHEMATICS AND SCIENCE COURSES (45 hours)

A. Required Mathematics/Statistics Courses (24 hours)

MTH 229 Calculus I
MTH 230 Calculus II
MTH 231 Calculus III
MTH 253 Matrix Algebra
MTH 257 Discrete Mathematics
STT 363, STT 360, or ISE 301 Statistics

B. Required Laboratory Science Sequence (12-16 hours)

Select one of the following three quarter laboratory science sequences:
CHM 121,122,123
BIO 111, 112, 115
PHY 240/200, 242/202, 244/204
GL 251/252, 253/254, 255/256

C. Science and Mathematics Electives (5-9 hours)

There must be a total of at least 21 hours in areas B and C. This total must include at least 18 hours of natural science courses.

IV. GENERAL ELECTIVES (20 hours)

Electives may be from any area of study.



Program Options:

General
Bioinformatics
Business
Computational Science
Earth and Environmental Sciences
Visualization

For more information, please visit
<http://www.cs.wright.edu/cse/students/future/>