

Computer Information Systems Major Programmer/Analyst Concentration

Major Course Work

General Education	46
Computer Information Systems Major	57
<u>CIS Foundation Courses</u>	24
CIS 132 Principles of Computing and Information Systems	3
140 Introduction to Microcomputer Operating Systems	3
171 Networking I	3
360 Computer Information Systems: Analysis & Design	3
366 Introduction to Data Base	3
372 Computer Hardware	3
480 Seminar in Comp Info Systems	3
CSC 150 Programming Fundamentals I	3
<u>Business Support Courses</u>	12
BUS 142 Survey of Accounting	3
308 Strategic Communications	3
360 Management Theory & Practice	3
CIS 352 Structured Business Programming	3
<u>Programmer/Analyst Concentration</u>	21
CIS 346 Introduction to MVS/JCL	3
353 Advanced Structured Business Programming	3
361 Computer Information Systems: Design, Implement, & Evaluation	3
466 Advanced Database	3
Committee-approved Electives (numbered 300 or above)*	6
CSC160 Programming Fundamentals II	3
<u>General Electives</u>	22
Total Semester Credit Hours	125

Goals & Objectives

The CIS curriculum is designed to: (1) provide students a breadth of knowledge and experiences; (2) allow students to specialize within the curriculum; (3) provide students with pertinent, up-to-date information and experiences; and (4) provide students with skills/knowledge that allow them to be competitive in a broad range computer job market.

These objectives are addressed through a broad based CIS core requirement, a supplemental business core requirement, and committee-approved electives. The curriculum incorporates mainframe, microcomputer, telecommunications, and network technology to provide students with background necessary to develop knowledge, skills, and attitudes required for a successful career in computer information systems.

Computer Information Systems majors should meet with their advisors to determine the appropriate math course to satisfy the General Education, Mathematics requirement.

Job Opportunities

Completion of the degree in Computer Information Systems provides for a wide variety of job opportunities including the following:

Programmer

Systems Analyst

Application Development Consultant

Computer Operator

Information Systems Development Manager

Database Analyst/Designer

Software Engineer

Wayne State College

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