• INFORMATION SYSTEMS AND DECISION SCIENCES (ISM)

The Management Information Systems (MIS) major provides the skills and knowledge necessary for information systems development and support positions in both business and non-business organizations.

Requirements for the B.A./B.S. Degree: Within the 120-semester-hour program listed in the General Requirements section, students must complete a set of 6 required MIS courses and 2 approved MIS electives. MIS majors must earn a "C" or higher (not C-) in the six required MIS courses and must have a 2.0 or higher GPA in the major; they can use grade forgiveness for only one upper-level MIS course.

Required MIS Courses:
- ISM 3232 Business Application Development* 3
- ISM 3113 Systems Analysis and Design* 3
- ISM 4212 Database Administration 3
- ISM 4220 Business Data Communications 3
- ISM 4300 Managing Information Resources 3
- One of the following:
  - ISM 4234 Object Oriented Design and Development (C++) 3
  - ISM 4141 Web Application Development (Java) 3

Plus Approved MIS Electives** 6

Total Hours Required for B.A./B.S. Degree 24

*ISM 3232 (Business Application Development) must be taken before, or concurrently with, ISM 3113 (Systems Analysis and Design), which is a prerequisite for all other required MIS courses. Normally ISM 3113 should be completed by the end of the first semester of the junior year.

**No more than three hours of ISM 4950 can be counted as MIS electives. (ISM 4905 will not count as an MIS elective.)

Requirements for a Minor in MIS (for Business majors only):

Students majoring in Business Administration may minor in MIS. The requirements are

1. ISM 3232 Business Application Development 3
   ISM 3113 Systems Analysis and Design
   (PR/CR ISM 3232) 3
   ISM 4212 Database Administration 3
   Approved MIS Elective 3
   Total MIS hours 12

2. A grade point average of 2.0 or better must be achieved in the minor course work at USF and in all minor courses completed at other institutions.

3. At least 9 hours of the required 12 credit hours must be taken in residence at USF.