

## INFORMATION TECHNOLOGY

This four-year plan is valid for the 2011-2012 USM Undergraduate Catalog only and is subject to change. This guide is merely a recommendation. Your actual program may vary. Other factors may impact your time to degree and course sequencing. See the current USM Undergraduate Catalog at <http://www.stmary.edu/catalogs/ugrad/default.htm> for more information, including USM academic policies, curriculum, pre-requisites, and course information.

### Information Technology — Four-Year Degree Completion Plan

The Department of Information Systems and Technology seeks to 1) provide an understanding and appreciation of the ways in which information technology affects society as a whole in conjunction with business, education, non-profit organizations, and government; 2) develop the basic understandings, knowledge, skills, and attributes needed by managers and/or professionals in a technology related environment; 3) provide technology students with the business background and competencies to pursue information technology related opportunities; 4) provide students the skill sets needed for handling information technology issues and requirements; 5) assist students in the development of information technology career oriented skills; 6) provide business, accounting, and information technology education in a total college environment, respectful of the importance of general education essential in a rapidly changing society and world; 7) encourage the growth of comprehensive Christian ethics as integrated in all information technology activities, and 8) encourage critical thinking skills as the student develops his/her study and communication skills in the areas of ethics, change, and leadership.

The information technology major requires 39 hours of IT courses. Three credit hours of math, MA230 Introductory Statistics, is recommended.

#### Freshman Year (30 Credits)

Fall (15 credits)		Spring (15 credits)	
EN111 English Comp I	3 credits	EN 112 English Comp II	3 credits
IT120 Intro to MIS	3 credits	IT150 Intro to Prog. & Networking	3 credits
General Education	6 credits	General Education	6 credits
First Year Experience	3 credits	First Year Experience	3 credits

#### Sophomore Year (35 Credits)

Fall (18 credits)		Spring (17 credits)	
IT361 Web Programming	3 credits	IT450 Software Dev. and Design	3 credits
MA230 Introductory Statistics	3 credits	EC232 Principles of Economics	3 credits
MGT231 Principles of Management	3 credits	General Education	11 credits
General Education	9 credits		

#### Junior Year (34 Credits)

Fall (17 credits)		Spring (17 credits)	
IT560 Rel. Database Design & Dev.	3 credits	IT320 Adv. Management Info. Sys.	3 credits
AC251 Principles of Accounting I	3 credits	IT Elective	3 credits
Electives	11 credits	Electives	11 credits

#### Senior Year (32 Credits)

Fall (16 credits)		Spring (16 credits)	
ITAC462 Acct and Info Systems	3 credits	IT591 Senior Seminar	3 credits
IT Elective	3 credits	IT Elective	3 credits
Electives	10 credits	Electives	10 credits

#### Information Technology Electives Available:

IT170 Introduction to Multimedia	IT440 Advanced Web Site Techniques
IT351 Beginning Visual C++	IT471 Networking Fundamentals
IT352 Advanced Visual C++	IT492 Special Topics in Advanced Information Technology
IT365 Java Programming	IT531 Windows Server Administration
IT368 C# Programming	IT534 Linux Administration
IT370 Advanced Multimedia	