

**FIRST YEAR STUDENT INFORMATION**  
**INFORMATION SYSTEMS MANAGEMENT MAJOR**  
**2009-2010**

Information systems management (ISM) is a multi-disciplinary major that focuses on the fusion of information systems, technology, and business management for two purposes: the use of information systems to solve business problems and the management of technology, which includes new product development and enterprise management. To learn more about the Information Systems Management major go to: <http://www.tim.ucsc.edu/undergraduates/curriculum>

**NEW STUDENT ORIENTATION**

Students begin college with a wide variety of backgrounds and levels in science and math. During this orientation, you will be able to take placement exams, receive help on choosing classes, and learn to access the many services and resources available. This is an opportunity to meet with faculty and staff that will assist you with your academic goals. Please go to <http://admissions.ucsc.edu/orientation09/> to get more information.

**If you are unable to attend summer orientation make sure to come to  
Fall Orientation: September 22, 10:30 - 12:30, 101 Engineering Lecture**

**ENROLLMENT FOR FALL QUARTER**

Information Systems Management has many course requirements that must be taken sequentially. Whether you are an admitted or a proposed Information Systems Management major, we strongly recommend you begin the major fall quarter of your first year. Here are some suggestions:

(Strongly recommended that you take all major requirements for letter grades)

First-year students are required to take the appropriate college core course fall quarter:

**5 units            College Core Course**

We also recommend enrolling in **two** of the following:

**5 units            Economics – ECON 1**

**5 units            Mathematics - MATH 19A, Calculus, or AMS 3, Pre-calculus for Science and Engineering**

**5-7 units        Computer Science - CMPS 10, Intro. To Computer Science OR CMPS 12A and CMPS 12L, Intro. Programming & Lab (Accelerated)**

(No programming experience required for CMPS 10. This course is not required for the major but is highly recommended. Prerequisite for CMPS 12A is math placement into Math 19A and some programming experience highly recommended.)

If you take programming your first quarter we highly recommend you enroll in CMPS 10, Introduction to Computer Science. This is a broad introduction to computer science that will help you have a better perspective in subsequent courses. If you have had some programming experience (e.g. high school AP computer science) and are eligible to enroll in Math 19A, then you can also consider taking CMPS 12A/L instead of CMPS 10. *Please note:* math placement into Math 19A is a prerequisite to CMPS 12A. Please see the next page for information on placement exams.

**SoE Undergraduate Affairs Office**  
**225 Baskin Engineering Building**  
**Open M-F 9-11am & 1:30-3:30pm**  
**Express Drop-in advising hours: M-F 1:30 - 3:30pm**  
**(831) 459-5840    [advising@soe.ucsc.edu](mailto:advising@soe.ucsc.edu)**  
**[www.soe.ucsc.edu/advising/undergraduate](http://www.soe.ucsc.edu/advising/undergraduate)**

## MATH PLACEMENT EXAM

You will need to take the math placement exam unless you have been awarded advance placement credit. The purpose of this exam is to establish at what class level you should begin in this subject. You will need to take this exam before you can enroll in MATH 19A, AMS 3, or CMPS 12A. **Do not enroll in MATH 11A - take AMS 3 if you do not place into MATH 19A.** See <http://www.math.ucsc.edu/placement/index.html> for a study guide and information on dates, times and locations for the exams.

## ADVANCED PLACEMENT & INTERNATIONAL BACCALAUREATE EXAMS

Transfer units are gained at the University in accordance with scores earned on College Board Advanced Placement (AP) and for International Baccalaureate Higher Level (IBH) exams. However, not all exam scores qualify for credit toward Information Systems Management major requirements, even if university units have been granted. In order to obtain "course credit", you must provide appropriate "score" verification to the School of Engineering Undergraduate Student Affairs Office. The following AP and IBH scores are accepted for course credit in lieu of SoE major requirements:

Advanced Placement & International Baccalaureate Exams	SCORE	UCSC COURSE CREDIT
AP Computer Science Exam A	3	CMPS 5J
AP Computer Science Exam A	4 or 5	CMPS 12A, Introduction to Programming**
AP Computer Science Exam AB	4 or 5	CMPS 12A, Introduction to Programming & CMPS 12B, Introduction to Data Structures**
IBH Computer Science	5	CMPS 12A, Introduction to Programming**
IBH Computer Science	6 or 7	CMPS 12A, Introduction to Programming & CMPS 12B, Introduction to Data Structures**
AP Mathematics Calculus Exam AB	3	AMS 3 or MATH 3
AP Mathematics Calculus Exam AB	4 or 5	MATH 19A, Calculus
AP Mathematics Calculus Exam BC	3	Enrollment in MATH 19A is recommended
AP Mathematics Calculus Exam BC	4 or 5	MATH 19A & 19B, Calculus
AP Chemistry Exam	5	CHEM 1A, General Chemistry
Economics Exam (Microecon.)	4 or 5	ECON 1, Introductory Microeconomics
Economics Exam (Macroecon.)	4 or 5	ECON 2, Introductory Macroeconomics

\*\*Includes credit for associated labs

## SAMPLE PLANS

The following are three sample academic plans for students to complete during their first two years as preparation for the information systems management major. Plan One A and B are suggested guidelines for students who are committed to the major early in their academic career. Plan Two is for students who are considering the major. To view the entire curriculum for this major go to: <http://www.soe.ucsc.edu/sites/default/files/ism0809.pdf>

**Plan One A**

	FALL	WINTER	SPRING
Year 1	Econ 1 Math 3 Core Course	Econ 2 Math 19A	ISM 50 Math 19B
Year 2	CMPS 10 Econ 10A CMPE 16	CMPS 12A, or 5J and 11 ISM 58	CMPS 12B AMS 10A

**Plan One B**

	FALL	WINTER	SPRING
Year 1	Econ 10A CMPS 10	Econ 1 CMPS 12A, or 5J and 11	Econ 2 CMPS 12B
Year 2	Econ 11A ISM 50	Econ 11B ISM 58	CMPE 16 Econ 100A AMS 10A

**Plan Two**

	FALL	WINTER	SPRING
Year 1	MATH 3	Econ 1	ISM 50 Econ 2
Year 2	CMPS 10 Math 19A or Econ 11A Econ 10A	CMPS 12A, or 5J and 11 Math 19B or Econ 11B ISM 58	CMPS 12B AMS 10A

