

What is the MBA/Master of Science (MS) in Computer Science Program?

It is a three-year concurrent degree program jointly sponsored by the UCLA Anderson School of Management and UCLA's Henry Samueli School of Engineering and Applied Sciences (HSSEAS). Graduating students receive both the Master of Business Administration (MBA) and the Master of Science (MS) in Computer Science degrees.

Who is it for? Why was it established?

The program is for students who desire training both as a manager and as a professional computer scientist. Employees, faculty, and students have recognized the need for both types of training as preparation for the increasing number of positions linking the technical and managerial aspects of computers and information systems. Such training is not attainable through most MS programs alone, which are technically oriented; nor from the MBA program alone, which is limited in its technical exposure.

In the past, students who wished to obtain both degrees had to take one after the other, a process that usually took four years. By careful arrangement of the respective curriculums, this program allows students to earn both degrees in three years. The program's concurrent nature also allows students to develop and integrate their skills more effectively than if the degrees were obtained sequentially.

Students who receive both degrees will have considerable career flexibility. They will be particularly well suited for careers in:

- technology management
- consulting
- information systems design and management
- technical sales
- systems engineering
- systems analysis

How are the combined degrees different from the regular MBA and MS degrees?

Although all degree requirements are satisfied by the concurrent curriculum, the concurrent degree program requires eight fewer courses than if the degrees were pursued independently because certain courses are accepted for degree credit concurrently by both schools. As such, the program requires:

(1) 80 units of management courses including:

- the MBA Management Core (11 courses, 42 units)
- the Applied Management Research Project (a.k.a. AMR, 8 units)
- 20 units of advanced electives from within the Data, Operations and Technology Management (DOTM) and/or Information Systems (IS) areas of study
- 10 units of management electives from any area of study (within Anderson) complete the MBA courses.

- (2) Nine Computer Science (CS) courses, at least five of which must be at the graduate level
- (3) Completion of the computer science breadth requirement, through either the 9 CS courses in (2) above or by certifying equivalent knowledge with the CS department
- (4) A two-quarter "joint" Applied Management Research Project (AMR, a.k.a. Mgt. 444A/B) to satisfy both programs' comprehensive examination requirements.

The AMR fulfills the comprehensive examination requirement for the MBA and MS (CS) degrees. This is an 8-unit team project of 3-5 students and is typically taken during two quarters sequentially. The project must include a computer technology component to integrate their technical and managerial knowledge within the scope of the computer science course program in order to fulfill the comprehensive examination for the CS degree. The comprehensive examination requirement courses CS497D/E are graded, but these grades are not included in the calculation of the student's GPA in HSSEAS. In addition to the team Applied Management Research report, each student must write an individual report on his/her role in the AMR, which must include an in-depth analysis of the part of the AMR for which he/she was responsible. This individual report, along with the AMR report, serves as the comprehensive examination for the MS in Computer Science.

Can students already pursuing one degree or the other switch to the concurrent degree program?

Yes, UCLA students in their first year of either the MBA or MS in Computer Science program may apply to the other degree program. However, there is no guarantee that because an individual is already a student in good standing in one school that he or she will be admitted to the other school.

What are typical qualifications?

Although there are no minimum GPA or scores, we expect entering students to have an exceptional undergraduate academic record and strong standardized test scores. Strong potential for management must be evidenced through work experience and/or positions of leadership. No advanced test or computer science is required for applicants to be considered for admission to the MBA/MSCS program.

How do I apply to the MBA/MS in Computer Science Program?

To apply to the program, applicants should request application materials from both Anderson and the HSSEAS. Applicants must take the Graduate Management Admission Test (GMAT) and the Graduate Record Examination (GRE) General Test. Separate admissions committees from each school make admissions decisions for the concurrent degree program, and applicants must be offered admission to both schools to be admitted to the combined program.

How can further information on the MBA/MS in Computer Science Program be obtained?

Group information sessions are offered by appointment at UCLA Anderson nearly every week throughout the year. Sign up online at <http://www.anderson.ucla.edu/x6531.xml> or with short notice, call (310) 825-6944. For further information, contact the following representatives:

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SAMPLE PLAN OF STUDY

FIRST YEAR

Pre-Term: Mgt. 414A Leadership Foundations I

Fall Quarter

Mgt. 402 Data Analysis, Statistics, and Decision Making

Mgt. 403 Managerial Accounting

Mgt. 405 Managerial Economics

Mgt. 408 Financial Markets

Mgt. 411A Marketing Management

Winter Quarter

Mgt. 410 Operations Technology Management

Mgt. 411B Marketing Management II

Mgt. 430 Corporate Finance

Spring Quarter

CS Course (e.g., 111 Operating Systems Principles or CS 131 Programming Languages)*

CS Course (e.g., 143 Introduction to Database Systems)*

Mgt. 409 Managing and Leading Organizations

Mgt. 420 Business Strategy

SECOND YEAR

Fall Quarter

Mgt. Advanced Elective from DOTM or IS Areas of Study

CS 2XX Elective (e.g., 241A Object Oriented & Semantic Database Systems, or 245A Intelligent Information Systems)

CS 180 Introduction to Algorithms & Complexity OR CS 112/Computer System Modeling Fundamentals

Winter Quarter

Mgt. Advanced Elective from DOTM or IS Areas of Study

CS 2XX Elective

CS Course (e.g.) 118 Computer Network Fundamentals or CS 151B Computer System Architecture*

Spring Quarter

Mgt. Advanced Elective from DOTM or IS Areas of Study

Mgt. Elective

CS 2XX Elective (e.g. CS 240A Databases & Knowledge Bases or CS 245A Intelligent Information Systems)

THIRD YEAR

Fall Quarter

Mgt. Advanced Elective from DOTM or IS Areas of Study

Mgt. 444A/AMR/CS 497D/Field Project

Winter Quarter

Mgt. 444B/AMR/CS 497E/Field Project

Mgt. Advanced Elective from DOTM or IS Areas of Study

CS 2XX (e.g. CS 244A/Distributed Database Systems)

Spring Quarter

CS 2XX/Elective

Mgt. Elective

Mgt. Elective

REQUIRED AND ELECTIVE COURSES LISTED UNDER EACH SCHOOL

ANDERSON			JOINT	COMPUTER SCIENCE	
Mgt. Core	DOTM and IS Courses	Mgt. Electives	Applied Mgt. Research Project and CS Comprehensive Examination	Graduate	Upper Division*
414A Leadership Foundations (2 units total)	20 units	10 units	Fulfills Mgt. 444A/B - CS 497D/E	Any five CS 2XX courses	1 of the following 111; 112 or 118; 131 or 132; 161 or 163; 170A or 174
402				201**	143 or 180
403					181
405					51A
408					151B
409					
410					
411A					
411B					
420					
430					
Total Units: 42	20	10	2	20 minimum	16 maximum
72 units in Management (not incl. AMR)			8 joint units	36 units in CS (not incl Comp. Exam)	

*In order to complete the MS/MBA program, the computer science breadth requirement for an MS in Computer Science must be satisfied by certifying equivalent knowledge or completing courses equivalent to the following:

- 143 or 180
- 181
- 51A
- 151B
- 2 of the following 111; 112 or 118; 131 or 132; 161 or 163; 170A or 174; 201

** CS 201 Seminar to be complete for credit with grade S (satisfactory) not included in the count of minimum required graduate level courses.

