

Moorpark College – California State University, Channel Islands (CSUCI)
Bachelor of Science in Information Technology
Degree Requirement Checklist (2005-2006)

Moorpark College Courses (60 units)

Lower Division Course Requirements (17 – 19 units)

- MATH M15/M15H Intro. Statistics (5)
- CS M10A or M10J Prog. with C or Java Fund (4)
- CS M30 Intro. To Computer Systems (4)

Select one of the following lab sciences:

- CHEM M1A General Chemistry I (6)
- PHYS M10A/L* General Physics I (5)
- BIOL M2A General Biology I (4)

* Course has Math M07 prerequisite

Lower Division Technology Courses (7 – 9 units)

A minimum of 8 – 10 units of CSU transferable technology course work. At Moorpark College applicable courses can be found in the following departments:

- Computer Networking Systems Engineering
- Computer Science
- Electronics Technology

An up to date list of the CSU transferable courses in these departments can be found at:

<http://www.assist.org> . Check with your Moorpark or CSUCI counselor for further details.

General Education (34 units)

- A1 Oral Communication _____
- A2 Written Comm.: ENGL M01A/M01AH
- A3 Critical Thinking _____
- B1 Physical Science _____

Note: this requirement will be met if Chem M1A or Phys M10A/L is taken under LD course requirements

- B2 Life Science _____

Note: this requirement will be met if Bio M2A is taken under lower division course requirements

- B3 Met by MATH M15 or M15H

Area C - Arts, Literature, Philosophy and Foreign

Language: 9 semester units required with at least one course each in Arts and Humanities

- C1: _____
- C2: _____
- C1 or C2: _____

Area D – Human Social, Political and Economic

Institutions and Behavior, Historical Background: 9 semester units with courses in at least two different disciplines. The History and Political Science courses specified must be taken to also meet the CSU American Institutions requirement.

- D6 HIST M02, M03, M04, M06, M07A, M07B, M12, M14, M25/H or CHST M04
- D8 POLS M01, M03 or M05
- _____

Area E - Lifelong Understanding: 3 semester units

- _____

CSUCI Courses (60 units)

In addition to the regular on campus courses offering, all IT, Comp, Math, MGT, and CIS program courses will be offered via distance learning. Courses may require an on-campus meeting, such as a start-of-semester kick-off meeting, or in-class exam.

Core Courses (24 units)

- IT 151 Data Structures for IT
- IT 262 Comp. Org. and Architecture for IT
- IT 280 Web Programming
- IT 429 Computer Networks
- IT 420 Database Systems for IT
- IT 362 Operating Systems for IT
- CIS 310 Management Info Systems
- MGT 307 Management of Organizations

Math/Science (7 units)

- Math 300 Discrete Math
- Semester II of Lab Science

Capstone Courses (5 units)

- MGT 471 Project Management
- IT 499 Capstone Project

UD Interdisciplinary GE (9 units)

See CSUCI catalog for details. Select 9 units from courses with catalog numbers from 330 to 449 such as:

- COMP 429 Hum/Comp Int.
- COMP 447 Soc. Issues in CS
- Math 331 History of Mathematics

IT Electives (15 units)

15 units of Technical Electives selected with the approval of your academic advisor from the following list:

- IT 402 Adv. IT Programming
- IT 469 Artificial Intell. And Neural Nets for IT
- IT 424 Computer System Security for IT
- IT 400 eCommerce
- IT 401 Web Intelligence
- ART 324 Web Design
- ART 326 3D Animation
- CIS 490 Special Topics in Information Systems