



Channel Islands
CALIFORNIA STATE UNIVERSITY
Computer Science



MSCS Program Overview

Prof. AJ Bieszczad

“Mission”

- ➔ The Master of Science in Computer Science degree at Channel Islands offers the latest, cutting edge education for a variety of industrial and applied fields.
- ➔ The program prepares students for careers in high-tech, computer and Internet-driven industries, businesses, education systems, military, and local and federal government where interdisciplinary, dynamic and innovative professionals trained in latest technologies are increasingly sought.
- ➔ Students are given a strong background in computer theory, software and hardware, as well as skills to conduct independent applied research and develop an industrial project.
- ➔ The program stresses interdisciplinary applications with emphasis on breadth of knowledge in computer science to prepare students for a wide range of possible industry, academic, and research positions.

Transfer of Credits

- ➔ The program director may grant up to 9 credits for graduate Computer Science courses taken at CSUCI outside of the MSCS program or from another university if:
 - ➔ the university is accredited,
 - ➔ the student scored B or better,
 - ➔ the course was taken in the last five years, and
 - ➔ the student provides an official transcript.

- ➔ The actual number of credits assigned by the director of the program is determined by comparing the courses taken elsewhere to equivalent courses offered by CSUCI.

Graduation Requirements

- ➔ To obtain the degree, an MS Computer Science student must:
 - ➔ complete minimum 32 units of graduate coursework including:
 - ➔ 24 units of graduate coursework with at least 18 units designated as “COMP”; the remaining 6 units may be “COMP” or another graduate designation; e.g., “MATH” or “PHYS”; at least 15 units must be taken while matriculated at CSUCI,
 - ➔ minimum 2 units of COMP599,
 - ➔ minimum 6 units of COMP597,
 - ➔ complete any additional requirement for remedial work that had been assigned to you when you were admitted to the program has to be completed as well,
- ➔ complete each course with grade of B or better,
- ➔ satisfy the Graduate Writing Assessment Requirement
 - ➔ in MSCS it’s a written report from the thesis research
- ➔ defend the thesis with a passing grade (“ACCEPT”)
 - ➔ as evidenced by a formal report from the examination committee.

Study Plans: Full-Time

➔ Year 1 (14 Units)

➔ Fall (7 Units):

- ➔ 2 elective courses (6 units)
- ➔ COMP599 Graduate Seminar (1 unit)

➔ Spring (7 Units):

- ➔ 2 elective courses (6 units)
- ➔ COMP599 Graduate Seminar (1 unit)

➔ Year 2 (18 Units)

➔ Fall (9 Units):

- ➔ 2 elective courses (6 units)
- ➔ COMP597 Master Thesis (3 units)

➔ Spring (9 Units):

- ➔ 2 elective courses (6 units)
- ➔ COMP597 Master Thesis (3 units)

Elective Courses

- ➔ COMP510 Advanced Image Analysis Techniques (3)
- ➔ COMP520 Advanced Database Systems (3)
- ➔ COMP524 Security (3)
- ➔ COMP529 Network Computing (3)
- ➔ COMP546 Pattern Recognition (3)
- ➔ COMP549 Human-Computer Interaction (3)
- ➔ COMP550 Object-Oriented Software Engineering (3)
- ➔ COMP554 Algorithms (3)
- ➔ COMP566 Geometry and Computer Graphics (3)
- ➔ COMP569 Artificial Intelligence (3)
- ➔ COMP571 Biologically Inspired Computing (3)
- ➔ COMP572 Neural Networks (3)
- ➔ COMP575 Multi-Agent Systems (3)
- ➔ COMP578 Data Mining (3)
- ➔ COMP581 Mathematical Methods in Artificial Intelligence(3)
- ➔ COMP590 Special Topics in Computer Science

Study Plans: Condensed-Time

➔ Year 1 (23 Units)

➔ Fall (10 Units):

- ➔ 3 elective courses (9)
- ➔ COMP 599 Graduate Seminar (1)

➔ Spring (10 Units):

- ➔ 3 elective courses (9)
- ➔ COMP 599 Graduate Seminar (1)

➔ Summer (3 Units):

- ➔ 1 elective course (3)

➔ Year 2 (9 Units)

➔ Fall (6 Units):

- ➔ 1 elective course (3)
- ➔ COMP 597 Master Thesis (3)

➔ Spring (3 Units):

- ➔ COMP 597 Master Thesis (3)

Study Plans: Relaxed-Time



→ Year 1 (9 Units)

→ Fall (3 Units):

→ 1 elective course

→ Spring (3 Units):

→ 1 elective course

→ Summer (3 Units):

→ 1 elective course

→ Year 2 (9 Units)

→ Fall (3 Units):

→ 1 elective course

→ Spring (3 Units):

→ 1 elective course

→ Summer (3 Units):

→ 1 elective course

→ Year 3 (11 Units)

→ Fall (4 Units):

→ 1 elective course

→ COMP 599 Graduate Seminar (1)

→ Spring (4 Units):

→ 1 elective course

→ COMP 599 Graduate Seminar (1)

→ Summer (3 Units):

→ COMP 597 Master Thesis (3)

→ Year 4 (3 Units)

→ Fall (3 Units):

→ COMP 597 Master Thesis (3)

Graduation Process

- ➔ Complete the Application for Degree and Diploma Form and submit it to the Extended Education office along with a payment of a \$45 fee.
 - ➔ Once the office receives the application, it will print out an advising sheet, complete the graduate check list, and forward the sheet to the Director for review.
- ➔ Submit a Course Mapping Request form to get credit for any courses taken outside of CSUCI.
 - ➔ Program Director will decide which CSUCI courses will be credited.
- ➔ Send the final copy of your thesis in the source and electronic format to the library.
- ➔ Send a signed Distribution License form to the library

- ➔ After that, the Records Office will do a degree check and will send an official report on progress to you.
- ➔ If the system shows that you have satisfied all graduation requirements, you will receive a letter with your official degree.

Graduation Process (cont.)



- ➔ Deadlines for Graduation Paperwork:
 - ➔ Spring Graduation: October 15
 - ➔ Summer Graduation: December 15
 - ➔ Fall Graduation: March 15
 - ➔ If you need to defer your graduation (due to delay in thesis defense, incomplete coursework, etc.), you need to formally request that by submitting the Request for Change of Graduation Term and pay a \$15 fee.
- ➔ Formally, you graduate when you receive a graduation letter from the Records Office.
- ➔ You may participate in a ceremonial “hooding” by your thesis advisor during the annual commencement.
 - ➔ If you graduate by the Summer term, you can take part in the Spring commencement ceremony for that year; otherwise, you will attend the Spring commencement ceremony in the following year.
 - ➔ Graduate students that defend their theses with distinction will be invited to celebrate their achievement during the Honors convocation. The thesis has to be defended prior to that event.

Continuous Registration

→ Continuous Registration

- To accommodate student who fulfilled the requirement of 32 units necessary to graduate, but who still work on their theses, registration in COMP597 (Master Thesis) will be expanded beyond the required 6 units. The extension will require continuous registration in 1 unit of COMP597 per semester and will incur additional fees.

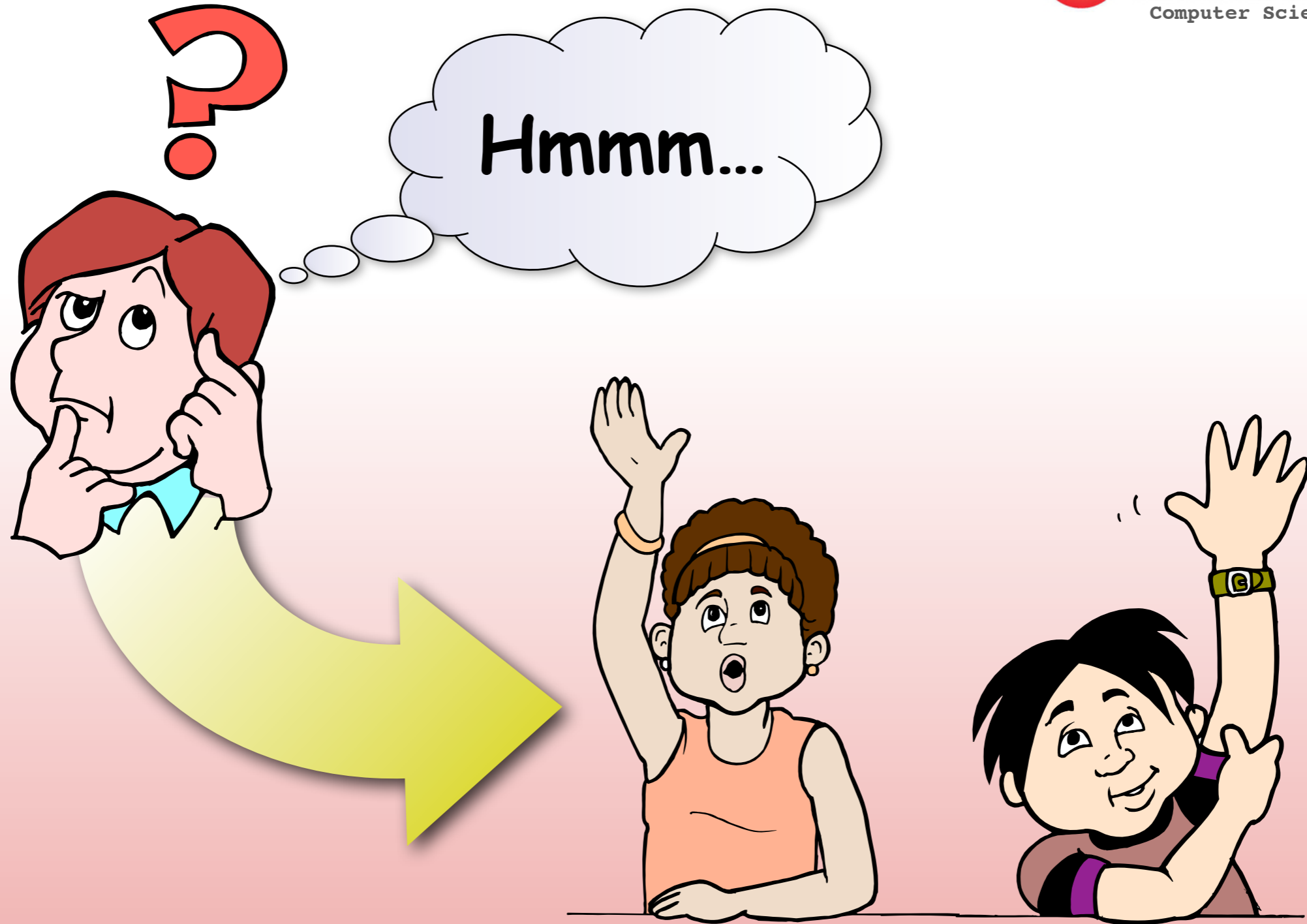
→ Educational Leave

- A student has to register in at least one course in every second regular semester (Fall/Spring) to maintain matriculation. If a student does not register in any courses during two consecutive semesters (Fall/Spring), she or he loses the matriculation status and has to re-apply for admission to the program. If there are valid reasons for extended leave of absence time, then the student has to apply officially for one using the Academic Leave Form available from the Office of Admissions and Records.

- ➔ In general, not available through the program. However...

- ➔ Job Opportunities
 - ➔ Every semester the Computer Science program has several teaching assistant positions available to qualified students. Interested students should apply to the chair of the Computer Science program several weeks before the semester starts.
 - ➔ There are opportunities to work on the campus.
 - ➔ Dolphin Career Link may help with finding you a job, prepare for an interview, prepare a resume, etc.

- ➔ Scholarships
 - ➔ The School of Graduate Studies may have some scholarships available.
 - ➔ The eligibility and selection process vary, so need to inquire in the office.



<http://oak.cs.csuci.edu/cms/index.php?page=MSCS>