

## COURSE DESCRIPTION

<b>Department and Course Number</b>	CS 101	<b>Course Coordinator</b>	Raj Pamula
<b>Course Title</b>	Introduction to Higher Education for Computer Science Majors	<b>Total Credits</b>	2

### **Current Catalog Description:**

Exploration of skills and resources that will help students to obtain a baccalaureate degree in the Department of Computer Science. This course must be taken once during the first two quarters at Cal State LA.

### **Textbook:**

None

### **References:**

University, College, and Department web resources.

### **Course Goals:**

At the end of the course, students have a basic understanding of

- Computer Science as a discipline
- Hardware and Software at an introductory level
- Requirements for the B.S degree
- Resources available to students
- How to become a successful student

These course goals contribute to the success of **Student Learning Outcomes 1.b, 4, 5, and 6.**

### **Prerequisites by Topic:**

Students are declared Computer Science majors and no prerequisite is needed.

### **Major Topics Covered in the Course:**

- University, College, Department resources
- University rules and regulations
- Introduction to Computer Science as a discipline
- Requirements for the B.S degree
- Introduction to hardware and software
- Introduction to language platforms
- Introduction to campus network
- ACM and CS Network involvement

- Student presentations
- Computer Ethics

**Laboratory Project (specify number of weeks on each):**

The students will present the requirements already completed and a detailed quarterly plan towards graduation (indicating GE, Major and Electives). (2 weeks)

**Estimate Curriculum Category Content (Quarter Hours)**

Area	Core	Advanced	Area	Core	Advanced
Algorithms			Data Structures		
Software Design			Prog. Languages	0.5	
Comp. Arch.	0.5		Other	1.0	

**Oral and Written Communications:**

Each student must give one final presentation on his or her interests in the computing discipline including a quarterly plan to graduation. Each presentation is 10 minutes long, and the audience may ask questions during the presentation. The instructor grades all class presentations and gives feedback to the students.

Each student group must also complete one project report on an instructor assigned topic. The report is 1-2 pages long.

**Social and Ethical Issues:**

Computer Ethics is covered during the course.

**Theoretical Content:**

None

**Problem Analysis:**

None

**Solution Design:**

None

