

**CSU Channel Islands
PROPOSAL TO
INITIATE A NEW MINOR

SIGNATURE PAGE**

Name of Proposed Minor:	Minor in Information Technology
Date of Submission:	1/13/12
Faculty Proposing New Program:	AJ Bieszczad

Review and Approval Signatures:

1. Proposer:		Date:	
2. Curriculum Chair:		Date:	
3. Academic Senate Chair:		Date:	
4. AVP Academic Programs and Planning		Date:	
5. Provost:		Date:	
6. President or Designee:		Date:	

Internal Note: Please return this document to Academic Programs and Planning after all signatures are completed.

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This form is to be used when the proposed new minor is in a field where no major exists, or where a current major does not have a minor field. (Typically, academic minors are developed as part of a new major proposal, in which case this *Proposal for a New Minor* does not have to be completed.)

Senate Resolution 2-01 requires that minor must have a minimum of 15 units, nine of which must be upper division.

1. Program Identification

- a. Name of the Minor
Minor in Information Technology
- b. Academic Program Proposing the Minor
Computer Science

2. Program Description

- a. Provide a description of the Minor and its Student Learning Outcomes.

Knowledge is power, and today's knowledge depends on access to information. Every discipline deals with increasingly large volumes of information that needs to be stored, transported, and secured. Very often, information needs to cross discipline boundaries, as the integration is the only way of making progress. In the Minor of Information Technology, the students will learn how to store, manage, transport, and secure information.

The students graduating with the Minor will be able to:

- **Use rudimentary programming to glue together information management modules.**
- **Store information in, and retrieve from, databases.**
- **Transport data over secure communication links.**
- **Maintain information consistency, confidentiality, and security.**
- **Present information for immediate consumption and for further processing.**

- b. How does the Minor support the University's Mission and Strategic Goals?

The minor supports interdisciplinary mission by offering knowledge and skills necessary to manage and integrate information from a variety of disciplines.

- c. Provide a catalog description of the Minor. Use the format in which it will appear in the catalog, including a program description, careers associated with the minor, and faculty names and titles.

Minor in Information Technology augments other programs with the knowledge and skills necessary for storing, managing, transporting, and securing information. Students learn how to securely store information in databases, integrate information from a variety of sources, move information over communication networks, and protect the confidentiality and integrity of data.

3. Curriculum

- a. Lower and Upper Division Course Requirements (including pre- and co-requisites.) Identify required elective courses. Identify currently available course in the catalog, and separately identify newly developed courses.

CORE (9 units):

COMP 105 Introduction to Programming
IT 151 Data Structures for IT
IT 221 Unix System Programming I

ELECTIVES (12):

IT 380 Web Programming
IT 400 eCommerce
IT 401 Web Intelligence
IT 402 Advanced IT Programming
IT 420 Database Theory and Design
IT 421 Unix System Programming II
IT 424 Computer System Security
IT 429 Computer Networks
COMP 350 Software Engineering

- b. Total number of units in the Minor (including pre- and co-requisites).

21

4. Academic Structure and Enrollment

- a. Identify the program area and persons responsible for program management and oversight.

Computer Science
Computer Science Faculty

- b. Estimate of number of students enrolling in the minor, in the initial year and after three (3) and five (5) years.

	Number of Students in the Minor
Initiation Year:	10
Third Year:	20
Fifth Year:	30

5. Faculty and Staff Resources

- a. Existing faculty and staff qualified to teach in and support the minor, including the percent of their work assignment contributing to the minor.

Computer Science Faculty

- b. Additional faculty and staff needed for the minor and the areas of expertise needed.

None. Computer Science faculty already supports BSIT.

6. Facilities, Equipment, Financial, and Information Resources

- a. Existing facilities, equipment, and information resources available to support the minor.

Computer Science Labs that already support BSIT.

- b. External funding already in progress or anticipated.

None. Not necessary.

- c. Facilities, Equipment and Information Resources Needed to Support the Minor.

None. Re-use the facilities supporting BSIT.