NEW, REVISED, OR DELETED PROGRAM COVER SHEET
2006-2007
University Curriculum Committee
Undergraduate Programs (Majors, Minors, Sequences)

DEPARTMENT/SCHOOL School of Information Technology   DATE April 01, 2007

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A.   **Proposed Action:** (more than one item may be checked if a revision).

_____   New Major   CIPS CODE _____ (obtain from Planning, Policy Studies and Info Systems)

_____   New Minor   CIPS CODE _____ (obtain from Planning, Policy Studies and Info Systems)

____**X**_____   New Sequence

_____   Change in requirements for major

_____   Change in requirements for minor

_____   Change in requirements for sequence

_____   Other program revisions

_____   More than 50% of courses in this program are distance education.

_____   Program deletion

B.   **Summary of proposed action** (see Part A), including title and exact *Undergraduate Catalog* copy for a new or altered program. (See *Catalog* and Program Checklist for format and examples.) Provide a summary of the revisions in addition to the exact current *Catalog* copy.

Addition of a new "General Computer Science" sequence for the B.S. in the Computer Science major. This addition is in conjunction with the addition of new "Enterprise Computing Engineering" sequence for the B.S in the Computer Science major.

C.   **Routing and action summary:**

1. _____ _____ Department/School Curriculum Committee Chair Date Approved		4. _____ _____ College Dean Date Approved	
2. _____ _____ Department Chair/School Director Date Approved		5. _____ _____ Teacher Education Council Chair if appropriate Date Approved (10 copies to the Dean of the College of Education)	
3. _____ _____ College Committee Chair Date Approved		6. _____ _____ University Curriculum Committee Chair Date Approved (8 copies to UCC Secretary, Moulton 108A)	

Submit 8 copies of **NEW** Undergraduate proposals to University Curriculum Committee
Submit 8 copies of **REVISED** Undergraduate proposals to University Curriculum Committee
All new and deleted programs (majors, minors, sequences) are routed by the U.C.C. to the Academic Senate. **The Senate rules mandate electronic submission (in MS Word or HTML format) of all materials for Web site posting.**
3/05

1. **Institution:**   Illinois State University
2. **Responsible School:**   School of Information Technology
3. **Program Title:**   B. S. in Computer Science, General Computer Science Sequence
4. **CIPS Code:**   15.1212
5. **Proposed Data of Initiation:**   Fall 2008
6. **Current and Proposed Catalog Copy**
   (Changes noted in boldface)

Current Catalog Copy	Proposed Catalog Copy
MAJOR IN COMPUTER SCIENCE	
The degree is designed for students who wish to pursue a comprehensive study of computer science that blends theory, abstraction, and design in a variety of traditional and current areas. Graduates will be prepared to work for a variety of companies including those that have a scientific, engineering, or mathematical focus. It would also prepare students to pursue graduate studies in Computer Science. The Computer Science program is accredited by the Computing Accreditation Commission (CAC) of the Accreditation Board for Engineering and Technology (ABET).	The degree is designed for students who wish to pursue a comprehensive study of computer science that blends theory, abstraction, and design in a variety of traditional and current areas. Graduates will be prepared to work for a variety of companies including those that have a scientific, engineering, or mathematical focus. It would also prepare students to pursue graduate studies in Computer Science. **There are two sequences, the General Computer Science sequence, and the Enterprise Computing Engineering sequence, within this program. The General Computer Science sequence is designed for students who wish to pursue a broad education in computer science. The Enterprise Computing Engineering sequence is designed for students who wish to pursue both technical and practical skill in large-scale, multi-platform enterprise computing systems.** The **General sequence of the** Computer Science program is accredited by the Computing Accreditation Commission (CAC) of the Accreditation Board for Engineering and Technology (ABET).

	General Computer Science Sequence:
	The General Computer Science sequence is designed to prepare students to work for a variety of companies including those that have a scientific, engineering, or mathematical focus. It would also prepare students to pursue graduate studies in Computer Science.

Computer Science courses (47 hours):	Computer Science courses: (47 hours):
Computer Science core (10 hours): — ITK 160, 168, 261.	Computer Science core (10 hours): — ITK 160, 168, 261.

Professional Practice (7 hours):
— ITK 191.
— 1 of 3 options
  — 6 hours of ITK 398, or
  — 3 hours of ITK 391 and 3 hours of ITK 398, or
  — 3 hours of ITK 391 and 1 course from ITK 326, 340, 341, 352, 353, 356, 367, 375, 378, 382, 384, 385, 388 (if not used to satisfy other requirements).
	Professional Practice (7 hours):
	— ITK 191.
	— 1 of 3 options
	  — 6 hours of ITK 398, or
	  — 3 hours of ITK 391 and 3 hours of ITK 398, or
	  — 3 hours of ITK 391 and 1 course from ITK 326, 340, 341, 352, 353, 356, 367, 375, 378, 382, 384, 385, 388 (if not used to satisfy other requirements).

Other ITK course requirements (30 hours): — ITK 179, 225, 279, 327, 328, 383. — 2 of: ITK 326, 340, 356, 384, 388. — 2 additional courses from: ITK 326, 340, 341, 352, 353, 356, 367, 375, 378, 384, 385, 388 (if not used to satisfy other requirements).	Other ITK course requirements (30 hours): — ITK 179, 225, 279, 327, 328, 383. — 2 of: ITK 326, 340, 356, 384, 388. — 2 additional courses from: ITK 326, 340, 341, 352, 353, 356, 367, 375, 378, 384, 385, 388 (if not used to satisfy other requirements).
Supporting requirements (36 – 38 hours):	Supporting requirements (36 – 38 hours):
Mathematics and Statistics (15 – 16 hours): — MAT 145, 146, 260. — 1 course from: MQM 100; MAT 350	Mathematics and Statistics (15 – 16 hours): — MAT 145, 146, 260. — 1 course from: MQM 100; MAT 350
Communication (6 hours): — COM 223; ENG 249.	Communication (6 hours): — COM 223; ENG 249.
Science (15 – 16 hours) — 1 pair of: CHE 140, 141; or PHY 110, 111 — 2 additional courses from: BSC 196, 197; CHE 140, 141; PHY 110, 111, 112, 375.	Science (15 – 16 hours) — 1 pair of: CHE 140, 141; or PHY 110, 111 — 2 additional courses from: BSC 196, 197; CHE 140, 141; PHY 110, 111, 112, 375.

Rationale

The addition of this sequence is mandated by the addition of the new Enterprise Computing Engineering (ECE) sequence to the Computer Science program, which previously had only a single sequence. Consequently, this sequence retains identical requirements from the existing Computer Science major. There are no changes to the courses, or program description, and no impact is expected on funding, staffing, or library resources.