UNDERGRADUATE CURRICULUM COMMITTEE
NEW PROGRAM/PROGRAM CHANGE PROPOSAL FORM

1. Which category (categories) best describes the curriculum change for this proposal:

- Newly established degree program
- Newly established major
- Newly established minor
- Newly established track/concentration/emphasis/certificate within an existing program
- Newly developed program offering no major or minor
- **Significant changes to an existing program's major/minor/ track/concentration/ emphasis/certificate**
- Termination of an existing program/major/minor/concentration/certificate/emphasis

2. Title of Program:

Bachelor of Science Degree in Information Science, The Major in Information Science

Catalogue Description (including credits): (Required only for new catalogue descriptions or changes to current catalogue descriptions)

THE BACHELOR OF SCIENCE DEGREE IN INFORMATION SCIENCE

Because of the rapid pace of change in society, the business world, and in the tools and techniques used in the IS world, managers of information are increasingly asked to solve complex problems arising in the business world that require drawing on a diverse set of skills. Flexibility, adaptability, and the ability to learn on one's own are also essential skills. The BSIS program therefore emphasizes problem solving and has a broad range of courses to address the needed skills. The Bachelor of Science in Information Science (BSIS) degree consists of courses chosen from the fields of business, computer science, economics, mathematics, and psychology. Students are urged to take the courses CPSC 125, 215, 150/150L-250/250L, 350, and 351 early in their academic careers. These six courses cover the fundamental concepts of computer technology, the basics of spreadsheet and database software, the function and architecture of computer hardware and software, programming, information science concepts, management of information systems, systems and decision theory, and organizational models.

In addition to requiring successful completion of the liberal learning curriculum, the Bachelor of Science in Information Science degree requires, for major and elective studies, successful completion (a grade of C- or better) of the knowledge areas and electives shown in the following table, and a capstone course and project.

Course Requirements and Electives:
1) The Computer Science Requirements:
CPSC 125, 150/150L-250/250L, 335.
2) The Business Requirements:
ACCT 201-202, ECON 201, 202, BUSN 201.
3) The Mathematics and Science Requirements:
MATH 125, 135 or 140, 235; PHYS 151/151L-152/152L.
4) The Information Science Major Requirements:
CPSC 215, 216 350, 351.
5) Major Electives: select five courses from the following:
CPSC 270, 430, 440, 485, PSYC 201-202, 313, BUSN 311*, 323*, 370*; PSYC 303;
6) The Capstone Course: CPSC 445W or MGMT 440W*.

* The prerequisites for these business courses include successful completion of the following courses with a C or better: ENGL 123, ULLC 223, ACCT 201-202, ECON 201, ECON 202, BUSN 201, MATH 125, MATH 135 or 140, CPSC 215.

Finally, the major in information science requires satisfactory completion of an exit test administered by the department. (See assessment section of the general requirements of all baccalaureate degree programs.)

The Minor in Information Science
The minor in information science requires CPSC 125, 150/150L, 250/250L, 215, 335, 350, 351.

3. What are the objectives for this program?

Quoting from the catalog copy above: "Because of the rapid pace of change in society, the business world, and in the tools and techniques used in the IS world, managers of information are increasingly asked to solve complex problems arising in the business world that require drawing on a diverse set of skills. Flexibility, adaptability, and the ability to learn on one's own are also essential skills. The BSIS program therefore emphasizes problem solving and has a broad range of courses to address the needed skills. The Bachelor of Science in Information Science (BSIS) degree consists of courses chosen from the fields of business, computer science, economics, mathematics, and psychology. Students are urged to take the courses CPSC 125, 215, 150/150L-250/250L, 350, and 351 early in their academic careers. These six courses cover the fundamental concepts of computer technology, the basics of spreadsheet and database software, the function and architecture of computer hardware and software, programming, information science concepts, management of information systems, systems and decision theory, and organizational models."

4. For whom is the new curriculum primarily intended? Explain why it should become part of the curriculum, and how this proposal relates to the University's mission.

This is a reorganization of the courses required for the B.S. in Information Science, removing the concentrations and making the degree more flexible, in response to the recommendations of the Joint Task Force for Computing Curricula 2005, a cooperative project of the Association for Computing Machinery (ACM), Association for Information Systems (AIS), and the IEEE Computer Society.

5. What is the anticipated enrollment in the new curriculum for the next three years?

Approximately 15 - 20 graduating majors per year.

6. How will the new curriculum be staffed/administered?

No staffing changes are needed, as this is fundamentally a reorganization of the courses required.

7. Has this curriculum, or one closely related to it, been offered at CNU previously?
If so, is that curriculum currently being offered? How does the proposed curriculum differ? When is the last term the old curriculum will be offered?

Yes, this exact major has been offered at CNU for many years. We are submitting this program change proposal to the UCC as we are proposing these changes to the program:

1. elimination of concentrations in favor of one flexible major geared towards information science needs of organizations or individuals
2. addition of BUSN 201 to the list of Business requirements to provide a foundation and basic understanding of business and its needs
3. addition of CPSC 216 to the list of BSIS Major requirements to provide a foundation for multimedia and the web
4. addition of CPSC 485 to the list of major electives to support student educational needs in the fields of multimedia and the web
5. elimination of MATH 260, PHYS 201/201L-202/202L from Mathematics & Science Area as this level of Mathematics and Physics is no longer required for the major
6. elimination of CPSC 260 from list of Major Electives as this level of Computer Science is no longer required
7. elimination of CPSC 216 from list of Major Electives as it is now a BSIS Major requirement
8. elimination of BUSN 201 from list of Major Electives as it is now a BSIS Major requirement
9. elimination of CPSC 430 from list of courses required for the minor as this level of Computer Science is no longer required for the minor

8. Does the new curriculum or the change being proposed involve the creation of new courses, deletion of existing courses, or changes to existing courses? Please briefly list all changes here and indicate how these changes affect hours required for graduation.

For EACH new course being proposed, please complete the Undergraduate Curriculum Committee New Course Proposal

Form and attach to this form. Remember to include a syllabus for each proposed course.

No.

9. Does the new curriculum involve special equipment or costs? If so, please explain.
No.

This program was reviewed by: ***(Areas of Inquiry must be approved by BOTH academic Deans and both Curriculum Cttees)***	***Concur***	***Do Not Concur*****
Department(s): (1) _____ Date: _____	☐	☐
Department(s): (2) _____ Date: _____	☐	☐
CLAS Chairs: _____ Date: _____	☐	☐
SoB Curriculum Committee: _____ Date: _____	☐	☐
Dean: _____ Date: _____	☐	☐
Dean: _____ Date: _____	☐	☐
University Curriculum Committee: _____ Date: _____	☐	☐
Faculty Senate: _____ Date: _____	☐	☐
Provost: _____ Date: _____	☐	☐

President: _____ Date: _____

Board of Visitors: _____ Date: _____

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Distribution by the Provost Office following approval:
Department Chair(s), UCC Chair, Deans, Registrar

***If "Do Not Concur" is checked, please provide a statement of explanation.*

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