WINONA STATE UNIVERSITY
PROPOSAL FOR REVISED PROGRAMS AND NEW PROGRAMS

Use this form to submit proposals for revised majors, minors, concentrations, options, etc.

Note: A department, with its dean’s approval, may change up to two courses per year within an existing major, minor, concentration, option, etc., per year without seeking review of A2C2 and/or graduate Council, provided that (1) the total credits do not increase or decrease for the major, minor, concentration, option, etc., and (2) the change does not affect other departments or the University Studies Program. A2C2 and/or Graduate Council do, however, wish to be informed of these changes. Use form Notifications.

If a department wishes to make more extensive revisions to an existing major, minor, concentration, option, etc., complete and submit this form with the appropriate number of copies. Refer to Regulation 3-4, Policy for Changing the Curriculum, for complete information on submitting proposals for curricular changes.

Department: ____________ Computer Science ____________
Title of Program: _______ Computer Technology Minor _______
Revised: ______ Major ______ Minor ______ Concentration ______ Option ______ Other
List all Major/Minor Codes that Apply: _______________________________________________
New: ______ Major ___ X__ Minor ______ Concentration ______ Option ______ Other
List all Major/Minor Codes that Apply: _______________________________________________
Total credit hours: ___ 18 ___ Classroom Hours ___ 18 ___ Lab Hours ______
Proposed Implementation Date: _________________________

Please attach to this proposal a narrative with the following information:

A. Statement of major focus and objectives of the revised program.

B. New Catalog Content

1. Provide a list of program content as it would appear in the catalog including required courses, electives, etc., by number and name. Include the number and name for each prerequisite, and all prerequisites of proposed prerequisites. All such prerequisites, and prerequisites of prerequisites, should be included in the total credit hour calculations for the revised program.

2. New catalog narrative, if any.

C. Description of Revisions, to include

1. A display of current program requirements next to proposed new requirements for clear, easy comparison.

2. A clear identification of each proposed change.

3. The following information for each required or elective course:
   a. Course number and name,
   b. A brief course description, and
   c. A brief statement explaining why the program should include the course.

Attach a Financial and Staffing Data Sheet.

Attach an Approval Form.

Also fill out the MNSCU New Program Application or the Program Redesign Application, whichever applies and submit directly to the VPAA.

Department Contact Person for this Proposal:

Joan Francioni ____________ x2336 ____________ jfrancioni@winona.edu ____________
Name (please print) _______ Phone _______ e-mail address _______

[Revised 7-05-07]
A. Statement of major focus and objectives of the revised program.

This minor is designed to provide students with a solid understanding of computer technology, such that they are able to apply the technology to problems in their major in a useful and effective way. The courses included in the minor are all non-major computer science courses and, for the most part, are University Studies courses. Taken as a set, they allow students to understand the fundamentals of computer technology and also to develop confidence in using computer technology. The first is important for students to continue to be able to use computer technology after they graduate. The second is important for them to use computer technology effectively in addressing problems they are likely to encounter in their chosen careers.

The objectives of this minor are as follows:
1. To provide a systematic way for students to learn the fundamentals of computer technology.
2. To provide a structured way for students to apply computer technology to problems relevant to their major.
3. To provide an opportunity for students to develop their confidence in working with computer technology.

B. New Catalog Content

1. Provide a list of program content as it would appear in the catalog including required courses, electives, etc., by number and name. Include the number and name for each prerequisite, and all prerequisites of proposed prerequisites. All such prerequisites, and prerequisites of prerequisites, should be included in the total credit hour calculations for the revised program.

**B.S. MINOR—COMPUTER TECHNOLOGY (CTM)**

18 S.H.

All courses in the minor must be completed with a grade of "C" or better.

**REQUIRED COURSES (15 S.H.)**

<table>
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<tr>
<th>Course</th>
<th>USP Category</th>
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<tbody>
<tr>
<td>CS 110 (3) – Computers in a Global Society</td>
<td>Science and Policy</td>
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<td>CS 115 (3) – Computer Systems and Internet Technology</td>
<td>Contemporary Citizenship</td>
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<td>CS 116 (3) – Web Technology</td>
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<tr>
<td>CS 130 (3) – Introduction to Basic Programming</td>
<td>Critical Thinking</td>
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<tr>
<td>(CS 150 (3) – An Overview of Computer Science – may count as a substitute for CS 130)</td>
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<tr>
<td>Either</td>
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<tr>
<td>CS 295 (3) – Computer Technology Project</td>
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<td>or</td>
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<td>CS 395 (3) – Community-Based Computer Technology Project</td>
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**ELECTIVES (3 S.H.)**

Approved 300- or 400-level course in student’s major. Course must meet the following requirements:
- Course material must be relevant to the CS 295/395 project.
- Course must be taken at least one semester prior to CS 295/395.
- A Faculty member in the student’s major department must approve the course as relevant to the proposed CS 295/395 project.

2. New catalog narrative, if any.

This minor will provide students with a solid understanding of computer technology. Students will gain both the skills and confidence necessary to use computer technology appropriately and effectively for problems in their disciplines.
Include a Financial and Staffing Data Sheet with any proposal for a new course, new program, or revised program.

Please answer the following questions completely. Provide supporting data.

1. Would this course or program be taught with existing staff or with new or additional staff? If this course would be taught by adjunct faculty, include a rationale.

   Existing staff.

   Most of the courses in the minor are regularly-offered University Studies courses, designed for non-majors. CS 295/395 is the only new course. Offering this course once a year can easily be handled by the department.

2. What impact would approval of this course/program have on current course offerings? Please discuss number of sections of current offerings, dropping of courses, etc.

   Little to no impact.

3. What effect would approval of this course/program have on the department supplies? Include data to support expenditures for staffing, equipment, supplies, instructional resources, etc.

   No effect.

[Revised 9-05]
### Department Recommendation

<table>
<thead>
<tr>
<th>Department Chair</th>
<th>Date</th>
<th><a href="mailto:tgeggharrison@winona.edu">tgeggharrison@winona.edu</a></th>
<th>e-mail address</th>
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### Dean’s Recommendation

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<th>Dean of College</th>
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### A2C2 Recommendation

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### Graduate Council Recommendation

*if applicable*

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<th>Chair of Graduate Council</th>
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<td>Director of Graduate Studies</td>
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### Faculty Senate Recommendation

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<th>President of Faculty Senate</th>
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### Academic Vice President Recommendation

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<th>Academic Vice President</th>
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### Decision of President

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Please forward to Registrar.

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<th>Registrar</th>
<th>Date entered</th>
<th>Please notify department chair via e-mail that curricular change has been recorded.</th>
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