THE UNIVERSITY OF NORTH CAROLINA AT ASHEVILLE

FACULTY SENATE

Senate Document Number 3212S

Date of Senate Approval 02/09/12

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Statement of Faculty Senate Action:

APC Document 22: **Add CSCI 182 as an option for the Computer Science Requirement in the Math major**

Effective Date: Fall 2012

1a. Delete: On page 217, under Concentration in Pure (Theoretical) Mathematics:

II. Required courses outside the major–9–11 hours, consisting of CSCI 181,

Add: On page 217, in place of deleted entry:

II. Required courses outside the major– 9–11 hours, including: CSCI 181 or 182,

1b. Delete: On page 217, under Concentration in Pure (Theoretical) Mathematics, last line in item III:

Successful completion of CSCI 181 demonstrates computer competency.

Add: On page 217, in place of deleted entry:

Successful completion of CSCI 181 or CSCI 182 demonstrates computer competency.

2a. Delete: On page 218, under Concentration in Statistics:

II. Required courses outside the major–9 hours, including: CSCI 181;

Add: On page 218, in place of deleted entry:

II. Required courses outside the major–9 hours, including: CSCI 181 or 182;

2b. Delete: On page 218, under Concentration in Statistics, last line in item III:

Successful completion of CSCI 181 demonstrates computer competency.

Add: On page 217, in place of deleted entry:

Successful completion of CSCI 181 or CSCI 182 demonstrates computer competency.

3a. Delete: On page 218, under Mathematics with Teacher Licensure:

II. Required courses outside the major–32 hours, consisting of CSCI 181;

Add: On page 218, in place of deleted entry:

II. Required courses outside the major–32 hours, including: CSCI 181 or 182;

3b. Delete: On page 218, under Mathematics with Teacher Licensure:

Successful completion of CSCI 181 demonstrates computer competency.

Add: On page 218, in place of deleted entry:

Successful completion of CSCI 181 or CSCI 182 demonstrates computer competency.

Impact Statement:
While CSCI 181 is more focused on numerical applications, CSCI 182 is also a programming course that teaches students algorithm designs. The secondary focus of CSCI 182 is on image and sound processing, both topics that are relevant to mathematics majors. This change will not have resource implications.

Rationale:
The addition of this course offers students more academic and scheduling flexibility without compromising academic rigor.