

THE UNIVERSITY OF NORTH CAROLINA AT ASHEVILLE
FACULTY SENATE

Senate Document Number 1214F
Date of Senate Approval 12/04/14

Statement of Faculty Senate Action:

APC Document 9 (ATMS): Add ATMS 464 as a required course for Atmospheric Sciences majors, designating it as the course that will satisfy Writing and Information Literacy competencies in the major

Effective Date: Fall 2015

1. Delete: On page 86, items I and III under **Concentration in Broadcast Meteorology:**

- I. Required courses in the major—34 hours, including: ATMS 103 or 113, 205, 230, 241, 251, 261, 305, 310, 320, 328, 350, 410, 411, 455. CSCI 181 may be substituted for ATMS 230.
- III. Special departmental requirements—Major competency is demonstrated by a senior comprehensive exam. Oral competency is demonstrated as part of the senior comprehensive examination and by the production of a taped weather forecast. Formal preparation for the senior comprehensive examination is in ATMS 410 and 411. Computer competency is demonstrated through completion of either ATMS 230 or CSCI 181.

Add: On page 86, in place of deleted entries:

- I. Required courses in the major—37 hours, including: ATMS 103 or 113, 205, 230, 241, 251, 261, 305, 310, 320, 328, 350, 410, 411, 455, 464. CSCI 181 may be substituted for ATMS 230.
- III. Special departmental requirements—Major competency is demonstrated by a senior comprehensive exam. Oral competency is demonstrated as part of the senior comprehensive examination and by the production of a taped weather forecast. Formal preparation for the senior comprehensive examination is in ATMS 410 and 411. Computer competency is demonstrated through completion of either ATMS 230 or CSCI 181. Writing and information literacy competencies are demonstrated in ATMS 464.

2. Delete: On page 86, items I and III under **Concentration in Climatology:**

- I. Required courses in the major—40 hours, including: ATMS 103 or 113, 205, 223, 230, 241, 251, 261, 305, 310, 320, 405, 410, 411, 420, 455, and 3 additional hours of ATMS at the 300-400 level. CSCI 181 may be substituted for ATMS 230.
- III. Special departmental requirements—Major competency is demonstrated by a senior comprehensive exam. Oral competency is demonstrated as part of the senior comprehensive examination. Formal preparation for this is in ATMS 410 and 411. Computer competency is demonstrated through completion of either ATMS 230 or CSCI 181.

Add: On page 86, in place of deleted entries:

- I. Required courses in the major—43 hours, including: ATMS 103 or 113, 205, 223, 230, 241, 251, 261, 305, 310, 320, 405, 410, 411, 420, 455, 464 and 3 additional hours of ATMS at the 300-400 level. CSCI 181 may be substituted for ATMS 230.
 - III. Special departmental requirements—Major competency is demonstrated by a senior comprehensive exam. Oral competency is demonstrated as part of the senior comprehensive examination. Formal preparation for this is in ATMS 410 and 411. Computer competency is demonstrated through completion of either ATMS 230 or CSCI 181. Writing and information literacy competencies are demonstrated in ATMS 464.
- 3. Delete:** On pages 86-87, items I and III under **Concentration in Weather Forecasting:**
- I. Required courses in the major—40–41 hours, including: ATMS 103 or 113, 205, 230, 241, 251, 261, 305, 310, 320, 350, 410, 411, 455; 6–7 hours chosen from ATMS 223, 355, 405 or ENVR 338, and 3 additional hours of ATMS at the 300-400 level. CSCI 181 may be substituted for ATMS 230.
 - III. Special departmental requirements—Major competency is demonstrated by a senior comprehensive exam. Oral competency is demonstrated as part of the senior comprehensive examination. Formal preparation for this is in ATMS 410 and 411. Computer competency is demonstrated through completion of either ATMS 230 or CSCI 181.

Add: On pages 86-87, in place of deleted entries:

- I. Required courses in the major—43–44 hours, including: ATMS 103 or 113, 205, 230, 241, 251, 261, 305, 310, 320, 350, 410, 411, 455, 464; 6–7 hours chosen from ATMS 223, 355, 405 or ENVR 338, and 3 additional hours of ATMS at the 300-400 level. CSCI 181 may be substituted for ATMS 230.
- III. Special departmental requirements—Major competency is demonstrated by a senior comprehensive exam. Oral competency is demonstrated as part of the senior comprehensive examination. Formal preparation for this is in ATMS 410 and 411. Computer competency is demonstrated through completion of either ATMS 230 or CSCI 181. Writing and information literacy competencies are demonstrated in ATMS 464.

Impact: Increased enrollment in this course might mean changes to its offering beyond only the fall semester. This will depend on the growth of the number of students majoring in Atmospheric Sciences that is expected to occur if the visibility of the department increases in response to the NSF-funded S-STEM ACES Scholarship Program. If the offering of ATMS 464 is indeed increased to fall and spring semesters, the ATMS professors will rotate serving as instructors of the course.

Rationale: Scientific Writing (ATMS 464) was a popular Writing Intensive and Information Literacy Intensive course chosen by most students majoring in Atmospheric Sciences under the ILS system. Under the current LAC system, ATMS 464 will now be mandatory for students majoring in Atmospheric Sciences to fulfill the Writing and Information Literacy competency requirements of the ATMS Department. This adds to the number of required credit hours within the major, but recent graduation statistics show that students graduating with the ATMS major have some of the shortest enrollment times of all the majors leading to graduation at UNC Asheville. All faculty in the Atmospheric Sciences Department are in agreement with this proposal.