



**NORTH CAROLINA COMMUNITY COLLEGE SYSTEM**  
*H. Martin Lancaster, President*

August 23, 2007

**RESPONSE DEADLINE: September 14, 2007**

**MEMORANDUM**

TO: Select Chief Academic Officers

FROM: Delores A. Parker, Vice President  
Academic and Student Services

SUBJECT: Requested Revision in Curriculum Standard  
Elementary Education Associate in Arts Pre-Major

The System Office has received a request to revise the following pre-major curriculum standard:

**Elementary Education Associate in Arts Pre-Major (A1010R)**

Attached is a form requesting your approval or disapproval of the proposed change. ***Please complete and return the form to Jennifer Frazelle by September 14, 2007.*** You may fax your response to (919) 807-7164. Once the responses have been received at the System Office, the request will be presented to the Transfer Advisory Committee for action at their September meeting.

Thank you for your prompt attention to this matter. If you have questions, please contact Jennifer Frazelle at (919) 807-7120 or [frazellej@nccommunitycolleges.edu](mailto:frazellej@nccommunitycolleges.edu).

DAP/jf

Attachments

c: Select Presidents  
Judith Mann  
Jennifer Frazelle

S07-036  
E-Mail

**College Recommendation**  
Curriculum Standard Revision Request  
**Elementary Education Associate in Arts Pre-Major (A1010R)**

**Request:** Add the combination of *AST 111 Descriptive Astronomy* and *AST 111A Descriptive Astronomy Lab* as a selection in the general education core (natural sciences) area of the Elementary Education Associate in Arts pre-major (see attached).

**Rationale of Requesting College:** The requesting college believes that AST 111 and AST 111A constitute a natural science combination that would be very beneficial as a choice for elementary education majors.

\_\_\_\_\_ We have reviewed the proposed revision and **recommend** the adoption of this change:

\_\_\_\_\_ We have reviewed the proposed revision and **do not recommend** the adoption of this change for the following reason(s):

\_\_\_\_\_

\_\_\_\_\_ We do not offer the Elementary Education pre-major (A1010R) and wish to decline from making a recommendation.

**College:** \_\_\_\_\_

**Signature of President:** \_\_\_\_\_ **Date:** \_\_\_\_\_

Please return this form by **September 14, 2007** to:

Jennifer Frazelle, Director  
Program Services  
NC Community College System  
5016 Mail Service Center  
Raleigh, NC 27699-5016  
Fax Number: (919) 807-7164

**Elementary Education (A1010R)  
Associate in Arts Pre-Major**

*Under the Comprehensive Articulation Agreement this template has been developed by university and community college faculty as a blueprint for guiding community colleges in developing programs for students who intend to major in Elementary Education. Students who successfully complete this course of study and who meet the requirements for admission to the university are eligible to apply for admission to the major with junior standing.*

*All colleges will not offer all pre-major programs, and course selections may vary. Check college catalogs for course and program offerings.*

<p><b>General Education Core (44 SHC)</b>*Forty-four semester hours of credit in general education core courses are required as outlined on the NCCCS Curriculum Standards for Associate in Arts degree programs. The general education core includes study in the areas of humanities and fine arts, social and behavioral sciences, natural sciences and mathematics, and English composition.</p>
<p><b>English Composition (6 SHC)</b> <i>Two English composition courses are required.</i></p> <ul style="list-style-type: none"> <li>English 111, Expository Writing, is required as the first composition course.</li> <li>The second composition course must be selected from the following: ENG 112 Argument-Based Research (3 SHC) <i>or</i> ENG 113 Literature-Based Research (3 SHC)</li> </ul>
<p><b>Humanities/Fine Arts (12 SHC)</b> <i>Four courses from three discipline areas are required.</i></p> <ul style="list-style-type: none"> <li>One course must be a literature course. Select one course from the following (3 SHC): ENG 131 Introduction to Literature (3 SHC)                      ENG 231 American Literature I (3 SHC) ENG 232 American Literature II (3 SHC)                      ENG 233 Major American Writers (3 SHC)</li> <li>The following course is required to substitute for 3 SHC of Humanities/Fine Arts: COM 231 Public Speaking (3 SHC)</li> <li>One of the following courses is required (3 SHC): ART 111 Art Appreciation (3 SHC)                      ART 114 Art History Survey I (3 SHC) ART 115 Art History Survey II (3 SHC)                      MUS 110 Music Appreciation (3 SHC)</li> <li>One additional course from the following discipline areas is required: art, drama, dance, foreign languages, interdisciplinary humanities, literature, music, philosophy, and religion.</li> </ul>
<p><b>Social/Behavioral Sciences (12 SHC)</b> <i>Four courses from three discipline areas are required.</i></p> <ul style="list-style-type: none"> <li>One course must be a history course. Select one course from the following (3 SHC): HIS 111 World Civilizations I (3 SHC)                      HIS 112 World Civilizations (3 SHC) HIS 114 Comparative World History (3 SHC)                      HIS 115 Introduction to Global History (3 SHC) HIS 121 Western Civilization I (3 SHC)                      HIS 122 Western Civilization II (3 SHC)</li> <li>The following courses are required (6 SHC): PSY 150 General Psychology (3 SHC) <i>choose one:</i> SOC 210 Introduction to Sociology (3 SHC) <i>or</i> SOC 225 Social Diversity (3 SHC)</li> <li>One additional course from the following discipline areas is required: anthropology, economics, geography, history, political science, psychology, and sociology.</li> </ul>
<p><b>Natural Sciences/Mathematics (14 SHC)</b></p> <p><b>Natural Sciences (8 SHC):</b></p> <ul style="list-style-type: none"> <li>The following courses are required: <i>choose one:</i> BIO 110 Principles of Biology (4 SHC)                      <i>or</i>                      BIO 111 General Biology I (4 SHC) <i>choose one:</i> CHM 131 Intro to Chemistry (3 SHC) <i>and</i> CHM 131A Intro to Chemistry Lab (1 SHC) <i>or</i> CHM 135 Survey of Chemistry I (4 SHC) <i>or</i> CHM 151 General Chemistry I (4 SHC) <i>or</i> PHY 110 Conceptual Physics (3 SHC) <i>and</i> PHY 110A Conceptual Physics Lab (1 SHC) <i>or</i> PHY 151 College Physics I (4 SHC) <i>or</i> <u>AST 111 Descriptive Astronomy and AST 111A Descriptive Astronomy Lab</u></li> </ul> <p><b>Mathematics (6 SHC):</b></p> <ul style="list-style-type: none"> <li>Two of the following courses are required: CIS 110 Introduction to Computers (3 SHC)                      MAT 140 Survey of Mathematics (3 SHC) MAT 141 Mathematical Concepts I (3 SHC)                      MAT 142 Mathematical Concepts II (3 SHC)</li> </ul>

MAT 161 (or higher) College Algebra (3 SHC)

***A college may award a diploma under the A1010R for completion of the entire general education core, as outlined, with a grade of "C" or better in each course.***

**Other Required Hours (20-21 SHC)\*** One semester hour of credit may be included in a sixty-five semester hour credit associate in arts program. The transfer of the 65<sup>th</sup> hour is not guaranteed.

- At certain UNC institutions, EDU 216 and EDU 221 may fulfill major requirements; at a majority of institutions the courses will transfer only as free electives. Students should check with the university for the local transfer policy regarding EDU 216 and EDU 221.
- It is recommended that within the 20 semester hours of "Other Required Hours," pre-education students in Elementary Education select courses that will help meet a corollary studies area. These courses should be selected in conjunction with the requirements at each university, since available corollary studies may not be offered on each university campus. Corollary Studies are comprised of a minimum of 18 hours of community college or UNC campuses' coursework in a choice of four interdisciplinary areas: (1) diversity studies, (2) global issues, (3) the arts, or (4) math, science and technology. Satisfying the UNC Board of Governors' requirement for an academic concentration, corollary studies are appropriate for expanding and deepening the pre-service elementary teacher's knowledge, appreciation and skills in the areas appropriate to the elementary school classroom and curriculum. The following recommended courses in these corollary studies may be taken as general education or as "Other Required Hours."

### **Recommended Courses for Corollary Studies Areas**

#### *I. Diversity Studies*

A minimum 18-hour multidisciplinary area of corollary studies that increases the pre-service teacher's knowledge of, respect for, and skills in working with students, families, and communities of diverse abilities, languages, races, and cultural backgrounds. *Select courses from a minimum of two and a maximum of three different fields (prefixes) as listed below:*

### **Anthropology: ANT 210 General Anthropology; ANT 220 Cultural Anthropology; ANT 221 Comparative Cultures**

**Art:** ART 117 Non-Western Art History

**Communication:** COM 120 Interpersonal Communications; COM 140 Intercultural Communication

**Drama:** DRA 126 Storytelling

**English:** ENG 261 World Literature I; ENG 262 World Literature II; ENG 265 Thematic World Lit I; ENG 266 Thematic World Lit II; ENG 271 Contemporary Literature; ENG 273 African-American Literature

**Geography:** GEO 112 Cultural Geography

**History:** HIS 151 Hispanic Civilization; HIS 153 Russian Cultural History; HIS 221 African-American History; HIS 222 African-American History I; HIS 223 African-American History II; HIS 226 The Civil War; HIS 227 Native American History; HIS 228 History of the South; HIS 233 History of Appalachia; HIS 234 Cherokee History; HIS 235 The Spanish Borderlands; HIS 260 History of Africa; HIS 261 East Asian History; HIS 262 Middle East History

**Humanities:** HUM 120 Cultural Studies; HUM 121 The Nature of America; HUM 122 Southern Culture; HUM 123 Appalachian Culture; HUM 150 American Women's Studies; HUM 170 The Holocaust; HUM 220 Human Values and Meaning

**Music:** MUS 114 Non-Western Music

**Physical Education:** PED 220 Exercise for the Physically Challenged

**Psychology:** PSY 211 Psychology of Adjustment; PSY 237 Social Psychology; PSY 241 Developmental Psychology; PSY 243 Child Psychology; PSY 246 Adolescent Psychology; PSY 259 Human Sexuality; PSY 275 Health Psychology; PSY 281 Abnormal Psychology

**Religion:** REL 110 World Religions; REL 111 Eastern Religions; REL 221 Religion in America

**Sociology:** SOC 213 Sociology of the Family; SOC 215 Group Processes; SOC 220 Social Problems;

SOC 225 Social Diversity; SOC 230 Race and Ethnic Relations; SOC 234 Sociology of Gender; SOC 240 Social Psychology; SOC 242 Sociology of Deviance; SOC 254 Rural and Urban Sociology

#### **Languages:**

**American Sign Language:** ASL 211 Intermediate ASL I ( ± lab); ASL 212 Intermediate ASL II ( ± lab)

**French:** FRE 141 Culture and Civilization; FRE 151 Francophone Literature; FRE 161 Cultural Immersion; FRE 211 Intermediate French I ( ± lab); FRE 212 Intermediate French II ( ± lab); FRE 221 French Conversation

**German:** GER 141 Culture and Civilization; GER 211 Intermediate German I ( ± lab);

GER 212 Intermediate German II ( ± lab); GER 221 German Conversation

**Italian:** ITA 211 Intermediate Italian I ( ± lab); ITA 212 Intermediate Italian II ( ± lab); ITA 221 Italian Conversation

**Japanese:** JPN 211 Intermediate Japanese I; JPN 212 Intermediate Japanese II

**Portuguese:** POR 141 Culture and Civilization; POR 211 Intermediate Portuguese I ( ± lab);

POR 212 Intermediate Portuguese II ( ± lab); POR 221 Portuguese Conversation

**Russian:** RUS 211 Intermediate Russian I ( ± lab); RUS 212 Intermediate Russian II ( ± lab);

*Elementary Education (A1010R) Associate in Arts Pre-Major*

*SBC approved 03/20/98; BOG approved 03/13/98; revised 12/16/03; revised 03/09/04; revised 04/16/04; revised 08/27/04; revised 02/03/06; Revised 11/17/06; TAC revised 05/23/07.*

RUS 221 Russian Conversation

**Spanish:** SPA 141 Culture and Civilization; SPA 151 Hispanic Literature; SPA 161 Cultural Immersion; SPA 211 Intermediate Spanish I ( ± lab); SPA 212 Intermediate Spanish II ( ± lab)

*Universities may add diversity choices to this list with courses they have available and deem appropriate.*

## II. Global Issues

A minimum 18-hour multidisciplinary Global Issues area of corollary studies that encompasses courses with a common theme of providing insight into the human condition in the world. The corollary studies area of Global Issues will increase the pre-service teacher's knowledge and understanding of the world in which we live and contemporary issues affecting the world. Courses addressing a particular region in the world or courses about a particular historical period were not included. The perception of a global issue is subjective and courses included in this area may change over time. *Select courses from a minimum of two and a maximum of three different fields (prefixes) as listed below:*

**Anthropology:** ANT 220 Cultural Anthropology; ANT 221 Comparative Cultures

**Biology:** BIO 145 Ecology; BIO 150 Genetics in Human Affairs; BIO 173

**Microbes in World Affairs;**

BIO 240 Waste Management; BIO 242 Natural Resource Conservation

**Economics:** ECO 252 Principles of Macroeconomics

**Geology:** GEL 230 Environmental Geology

**Geography:** GEO 111 World Regional Geography; GEO 112 Cultural

**Geography; GEO 113 Economic Geography**

**Health:** HEA 120 Community Health

**History:** HIS 114 Comparative World History; HIS 115 Introduction to Global History; HIS 116 Current World Problems; HIS 161 Science and Technology

**Humanities:** HUM 110 Technology and Society; HUM 211 Humanities I; HUM

**212 Humanities II;**

HUM 220 Human Values and Meaning

**Philosophy:** PHI 215 Philosophical Issues; PHI 240 Introduction to Ethics; PHI

**250 Philosophy of Science**

**Physical Science:** PHS 130 Earth Science; PHS 140 Weather and Climate

**Political Science:** POL 210 Comparative Government; POL 220 International

**Relations**

**Religion:** REL 110 World Religions

**Sociology:** SOC 220 Social Problems; SOC 254 Rural and Urban Sociology

*Universities may add global issues choices to this list with courses they have available and deem appropriate*

## III. The Arts

A minimum 18-hour area of corollary studies in the Arts will increase the pre-service teacher's knowledge and appreciation of the visual and performing arts and their history. Pre-service teachers who select this area of corollary studies will be prepared to use the Arts to further children's understanding of the world, of diverse cultures, and of multiple ways of constructing knowledge and expressing themselves.

Students will choose a minimum of eighteen hours of coursework from the approved lists. Their selections must be drawn from a minimum of two and a maximum of three categories/disciplines (prefixes) across the following two lists. Students may choose up to six hours of coursework from List II. The remainder of coursework (12-18 hours) must be from List I.

**List I: Non-applied Courses (12-18 hours should be chosen from this list)**

**Art:** ART 110 Introduction to Art; ART 111 Art Appreciation; ART 114 Art History Survey I;

ART 115 Art History Survey II; ART 116 Survey of American Art; ART 117 Non-Western Art History;

ART 260 Photography Appreciation; ART 289 Museum Study

**Dance:** DAN 110 Dance Appreciation; DAN 211 Dance History I; DAN 212 Dance History II

**Drama/Theatre:** DRA 111 Theatre Appreciation; DRA 112 Literature for the Theatre; DRA 120 Voice for Performance;

DRA 122 Oral Interpretation; DRA 124 Readers Theatre; DRA 126 Storytelling; DRA 128 Children's Theatre;

DRA 211 Theatre History I; DRA 212 Theatre History II

**Music:** MUS 110 Music Appreciation; MUS 111 Fundamentals of Music; MUS 113 American Music;  
MUS 114 Non-Western Music; MUS 121 Music Theory I; MUS 122 Music Theory II; MUS 270 Music Literature;  
MUS 271 Music History I; MUS 272 Music History II; MUS 280 Music for the Elementary Classroom

**List II: Applied/Skilled/Ensemble Courses (Only 6 hours may be chosen)**

**Art:** ART 113 Art Methods and Materials; ART 121 Design I; ART 122 Design II; ART 130 Basic Drawing;  
ART 131 Drawing I; ART 132 Drawing II; ART 140 Basic Painting; ART 171 Computer Art I; ART 231 Printmaking I;  
ART 232 Printmaking II; ART 240 Painting I; ART 241 Painting II; ART 244 Watercolor; ART 261 Photography I;  
ART 262 Photography II; ART 271 Computer Art II; ART 281 Sculpture I; ART 282 Sculpture II; ART 283 Ceramics I; ART  
284 Ceramics II

**Drama/Theatre:** DRA 130 Acting I; DRA 131 Acting II

**Music:** MUS 123 Music Composition; MUS 131 Chorus I; MUS 132 Chorus II; MUS 133; Band I; MUS 134 Band II;  
MUS 135 Jazz Ensemble I; MUS 136 Jazz Ensemble II; MUS 137 Orchestra I; MUS 138 Orchestra II;  
MUS 141 Ensemble I; MUS 142 Ensemble II; MUS 151 Class Music I; MUS 152 Class Music II;  
MUS 161 Applied Music I; MUS 162 Applied Music II; MUS 214 Electronic Music I; MUS 215 Electronic Music II;  
MUS 253 Big Band; MUS 263 Jazz Improvisation I; MUS 264 Jazz Improvisation II; MUS 265 Piano Pedagogy

Universities may add art, dance, drama/theatre and music choices to this list with courses they have available and deem appropriate.

**IV. Math, Science and Technology**

A minimum 18-hour multidisciplinary area of corollary studies that increases the pre-service teacher's knowledge of, respect for, and skills in the areas of math, science and technology and their interconnectedness. Select courses from a minimum of two and a maximum of three different fields (prefixes) as listed below:

**Technology: CIS 110 Introduction to Computers; CIS 115 Intro to Prog & Logic;  
CSC 120 Computing Fundamentals I; CSC 130 Computing Fundamentals II – (4  
SHC); HIS 161 Science and Technology; HUM 110 Technology and Society; PHI 230  
Introduction to Logic**

**Mathematics (math lab credit hours are not included in 18 hour concentration, eg.  
141A):**

**MAT 140 Survey of Mathematics; MAT 141 Mathematical Concepts I; MAT 142  
Mathematical Concepts II;**

**MAT 145 Analytical Math; MAT 151 Statistics I or MAT 155 Statistical Analysis;  
MAT 161 College Algebra;**

**MAT 162 College Trigonometry; MAT 165 Finite Mathematics; MAT 167  
Discrete Mathematics;**

**MAT 171 Precalculus Algebra; MAT 172 Precalculus Trigonometry; MAT 175  
Precalculus; MAT 210 Logic;**

**MAT 252 Statistics II; MAT 263 Brief Calculus; MAT 271 Calculus I; MAT 272  
Calculus II; MAT 273 Calculus III;**

**MAT 280 Linear Algebra; MAT 285 Differential Equations; HUM 240  
Mathematics and the Arts**

**Science: AST 111 Descriptive Astronomy; AST 151 General Astronomy I;  
AST 152 General Astronomy II;**

**AST 251 Observational Astronomy; BIO 110 Principles of Biology; BIO 111  
General Biology I; BIO 112 General Biology II; BIO 120 Introductory Botany; BIO 130  
Introductory Zoology; BIO 140 Environmental Biology;**

**BIO 143 Field Biology Minicourse; BIO 145 Ecology; BIO 146 Regional Natural**

**History;**

**BIO 150 Genetics in Human Affairs; BIO 155 Nutrition; BIO 163 Basic Anatomy and Physiology;**

**BIO 165 Anatomy and Physiology I; BIO 166 Anatomy and Physiology II; BIO 168 Anatomy and Physiology I;**

**BIO 169 Anatomy and Physiology II; BIO 173 Microbes in World Affairs; BIO 175 General Microbiology;**

**BIO 176 Adv General Microbiology; BIO 180 Biological Chemistry; BIO 221 Botany I; BIO 222 Botany II;**

**BIO 223 Field Botany; BIO 224 Local Flora Spring; BIO 225 Local Flora Summer; BIO 226 Local Flora Fall;**

**BIO 227 Winter Plant ID; BIO 230 Entomology; BIO 231 Invertebrate Zoology; BIO 232 Vertebrate Zoology;**

**BIO 235 Ornithology; BIO 236 Mammalogy; BIO 240 Waste Management; BIO 242 Natural Resource Conservation;**

**BIO 243 Marine Biology; BIO 250 Genetics; BIO 271 Pathophysiology; BIO 272 Cardiopulmonary Biology;**

**BIO 273 Radiation Biology; BIO 275 Microbiology; BIO 280 Biotechnology; BIO 285 Research & Measurement;**

**CHM 131 Introduction to Chemistry; CHM 132 Organic and Biochemistry; CHM 135 Survey of Chemistry I;**

**CHM 136 Survey of Chemistry II ; CHM 151 General Chemistry I; CHM 152 General Chemistry II;**

**CHM 251 Organic Chemistry I; CHM 252 Organic Chemistry II; CHM 261 Quantitative Analysis;**

**CHM 263 Analytical Chemistry; CHM 265 Instrumental Analysis; CHM 271 Biochemical Principles;**

**GEL 111 Introductory Geology; GEL 113 Historical Geology; GEL 120 Physical Geology; GEL 220 Marine Geology;**

**GEL 230 Environmental Geology; GEO 131 Physical Geography I; GEO 132 Physical Geography II;**

**PHI 250 Philosophy of Science; PHS 121 Applied Physical Science I; PHS 122 Applied Physical Science II;**

**PHS 130 Earth Science; PHS 140 Weather and Climate; PHY 110 Conceptual Physics; PHY 151 College Physics I;**

**PHY 152 College Physics II; PHY 153 Modern Topics in Physics; PHY 251 General Physics I; PHY 252 General Physics II; PHY 253 Modern Physics**

*Universities may add math, science and technology choices to this list with courses they have available and deem appropriate.*

**Total Semester Hours Credit (SHC) in Program: 64-65**

**\*Students must meet the receiving university's foreign language and/or health and physical education requirements.**

***Application to a University***

*Admission application deadlines vary; students must meet the deadline for the university to which they plan to transfer. Upon successful completion of the associate degree, students who meet the requirements outlined in this pre-major articulation agreement will be eligible to be considered for admission as juniors to the universities offering the baccalaureate degree as listed at [www.northcarolina.edu/content.php/aa/planning/traditional.htm](http://www.northcarolina.edu/content.php/aa/planning/traditional.htm). Students are encouraged to contact the senior institution to confirm degree offerings.*

***Admission to the Major***

*Grade point average requirements vary and admission is competitive across the several programs in Elementary Education. Minimum statewide requirements are:*

*Elementary Education (A1010R) Associate in Arts Pre-Major*

*SBCC approved 03/20/98; BOG approved 03/13/98; revised 12/16/03; revised 03/09/04; revised 04/16/04; revised 08/27/04; revised 02/03/06; Revised 11/17/06; TAC revised 05/23/07.*

1. *Minimum 2.5 grade point average on a 4.0 scale.*
2. *Satisfactory passing scores as established by the State Board of Education on PRAXIS I PPST-Reading; PPST-Writing; PPST-Math.*

*Receiving institutions may have additional requirements, prerequisites, and/or proficiencies. Since these vary at receiving institutions, students should review the admission to teacher education requirements for the institutions(s) they anticipate attending.*