I. Call to order

II. UCC Officers
   (Jean-Luc Scemama, Karen Vail-Smith)
   Redistribution of Foundation/General Education Credits

   The following course proposals for redistribution of the foundation/general education credits were reviewed:
   Accounting, BSA; Art, BFA; Finance, BSBA; Foreign Language and Literature, BA; Health Services Management, BS; Hospitality Management, BS; Information and Computer Technology, BS; Management, BSBA; Management Information Systems, BSBA; Marketing, BSBA;
Nutrition and Dietetics, BA and Physics, BS.

Discussion/Revisions: Above proposals submitted the necessary changes except for English, Secondary Education, BS and Engineering.

Action: Approved.

III. College of Fine Arts and Communication
School of Art and Design
(Ron Graziani – Attendance waived)

Revision of Prerequisite: ARTH 1905

Discussion/Revisions:
Memo reviewed with no suggested edits or changes.

Action: Approved

IV. Thomas Harriot College of Arts and Sciences
Department of History (Ken Wilburn)

Tabled until the December meeting because Dr. Wilburn was not present at the meeting. Motion was approved to authorize Nancy Spalding to offer to meet with Dr. Wilburn regarding the strengthening of the proposal.

V. College of Health and Human Performance
Department of Kinesiology
(Amy Rundio, Susan McGhee)

- Proposal of New Courses:
  
  KINE 3400

  KINE 4710: Suggested removal of “understand” and use the word “describe” in Objective #4. For objective #6, suggested edits were discussed by the committee.

  KINE 4720:

  Catalog copy: KINE 3400—is listed in the catalog as being taught in a specific semester and the committee recommended removal of the designation from the catalog. D. Coltraine indicated it was editorial and she would edit. Consequently, this suggestion was not part of the requested changes.
**Action:** Approved as amended.

**VI. Thomas Harriot College of Arts and Sciences**
Department of Geography, Planning, and Environment
(Tom Rickenbach)

1. **Discontinuation of Existing Certificate:** Atmospheric Science
2. **Proposal of New Minor:** Atmospheric Science

**Discussion/Revisions:**

a. Memorandum of Request: The proposed minor would allow students to take a minor that would be broader, not involving math and allowing more flexibility. This change makes the minor more consistent with other programs in the country. The minor requires 3 s.h. more than the certificate. Students in the past have expressed more interest in a minor than a certificate. Committee members suggested edits to the memo and catalog pages. In catalog pages list the courses and not the number of courses.

b. Marked Catalog Copy: No comments

c. SACSCOC Teach-Out Plan: Dr. Reaves indicated that the teach-out plan needs to be approved by SACS before discontinuing the program. The letter to SACS needs to reflect change in process. No students currently in the program but will follow up with a representative from Degree Works.

**Action:** Approved as amended.

**VIII. College of Health and Human Performance**
Department of Interior Design and Merchandising
(Charles Gustina)

Tabled until next meeting because Dr. Gustina could not attend the meeting.

1. **Revision of an Existing Degree:** Interior Design, BS
2. **Revision of an Existing Minor:** Interior Design
3. **Proposal of New Courses:** IDSN 1200, 2101, 2102, 2200, 2201, 2202, 3101, 3102, 3200, 3201, 3202, 4102, 4202
4. **Renumbering Existing Courses to the Same Level:** (incl. title change) IDSN 2700 – Historic Interiors I: 3000 BC Through Mid-Nineteenth Century to IDSN
2103 - Historic Interiors I); IDSN 2750 - Historic Interiors II: Late Nineteenth and Twentieth Centuries to IDSN 2203 - Historic Interiors II

5. **Renumbering of an Existing Course to a Different Level**: IDSN 4880 – Interior Design Internship to IDSN 3203

6. **Revision of Existing Courses**: IDSN 4001, 4002, 4003

7. **Banking of an Existing Courses**: IDSN 1281, 3650, 4750

8. **Deletion of Existing Courses**: IDSN 2281, 2800, 2850, 3550, 3600, 3999, 4500, 4600, 4700
   a. Marked Catalog Copy Confirmation
   b. Affected Units Report
   c. Office of the Registrar Course Number Confirmations
   d. Signature Form

**IX. Suggested Goals for 2016-2017**

- Facilitate the implementation of the foundation curriculum changes.
- Support levels of approval of curriculum matters.
- Explore possibilities of alternate curriculum committee members and expand the number of standard or regular committee members.
- Discuss the possibility to have representative of each college on the UCC
- Facilitate the implementation of Curriculog
- Revise the formatting of minutes to keep better track of actions and discussions
- Review Multidisciplinary minors

**X. Meeting Adjourned at 4:15pm**

Next meeting December 8, 2016 at 2pm Brewster B-104

Submitted by: J. Bowman
<table>
<thead>
<tr>
<th>Curricular Actions Reviewed 11/17/16</th>
<th>At this meeting:</th>
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<td>Deleted courses (active and/or banked)</td>
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<td>New bachelor’s degrees (Phase II - development)</td>
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<td>New bachelor’s degrees (Phase III – curriculum approval); consolidations</td>
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<td>Prefix Revision of an Entire Course List</td>
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<td>Revised degrees (e.g., admissions, core/concentration req., dept. text)</td>
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<td>Unbanked courses</td>
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II.

Accounting, BSBA

Minimum degree requirement is **123 s.h.** of credit as follows:

1. Foundations curriculum requirements including those listed below - **42 s.h.**
   **40 s.h.**

(For information about courses that carry foundations curriculum credit see *Liberal Arts Foundations Curriculum.*)

- COMM 2020 - Fundamentals of Speech Communication
- ECON 2113 - Principles of Microeconomics
- ECON 2133 - Principles of Macroeconomics
- MATH 1066 - Applied Mathematics for Decision Making
- MATH 2283 – Statistics for Business

- PHIL 2274 - Business Ethics or
- PHIL 2275 - Professional Ethics

Choose 3 s.h. from:

- PSYC 1000 - Introductory Psychology
- SOCI 2110 - Introduction to Sociology

Choose 3 s.h. from:

One additional social science area: anthropology, communication, geography, history, political science, psychology, sociology

2. Cognates - **6 s.h.**

- ENGL 3880 - Writing for Business and Industry
3. Business core - 36 s.h.

- ACCT 2401 - Financial Accounting
- ACCT 2521 - Managerial Accounting
- FINA 2244 - Legal Environment of Business
- FINA 3724 - Financial Management
- MGMT 3302 - Management of Organizations
- MGMT 4842 - Strategic Management
- MIS 2223 - Introduction to Computers
- MIS 3063 - Introduction to Management Information Systems
- MGMT 3352 - International Business
- MKTG 3832 - Marketing Management
- MGMT 3223 - Business Decision Modeling

Choose one international perspectives course from:

- ACCT 4451 - International Accounting
- FINA 4454 - International Finance
- MGMT 3352 - International Business
- MKTG 3852 - Cultural Environment of International Business
- MKTG 4992 - International Marketing

4. Concentration - 24 s.h.

Accounting:

- ACCT 3551 - Intermediate Accounting I
- ACCT 3561 - Intermediate Accounting II
- ACCT 3621 - Cost Accounting
- ACCT 3731 - Advanced Accounting
- ACCT 3851 - Accounting Information Systems
- ACCT 4611 - Taxation for Decision Making
- ACCT 4631 - Internal Auditing
- ACCT 4641 - Governmental and Not-for-Profit Accounting

5. Leadership and professional development - 9 s.h.

- BUSI 1200 - Strategy First
- BUSI 2200 - Experiential Leadership: Teams in Action
• BUSI 3200 - Professional Development and Ethical Leadership
• BUSI 4200 - Leadership Capstone
• Leadership and Professional Development Portfolio must be completed prior to graduation.

6. General electives to complete requirements for graduation.

Art, BFA

Concentrations are offered in animation and interactive design, ceramics, film and video production, graphic design, illustration, metal design, painting, photography, printmaking, sculpture, and textile design.

Minimum degree requirement is 126 s.h. of credit as follows:

1. Foundations curriculum requirements including the following - 42 s.h. 40 s.h.

(For information about courses that carry foundations curriculum credit see Liberal Arts Foundations Curriculum)

• PHIL 2271 - Introduction to Philosophy of Art

2. Common core - 36 s.h.

Students must earn a grade of C- (1.7) in ART 1005, ART 1015, ART 1020, ART 1025, and ART 1030.

Students must complete ART 1005, ART 1020; and two of ART 1015, ART 1025 or ART 1030 before taking 3000-level ART courses.

• ART 1005 - Design I
• ART 1020 - Drawing
• ARTH 1906 - Art History Survey
• ARTH 1907 - Art History Survey

Choose 6 s.h. from

• ART 1015 - Design II
• ART 1025 - Digital Design
• ART 1030 - Figure Drawing

Choose 9 s.h. art (ART) surveys outside the concentration.

Choose 9 s.h. of art and design history, theory and criticism electives.

**Up to 3 s.h. may include:**

• ART 3090 - Design Theory in Practice
• FILM 3900 - American and International Film History, Part I
• FILM 3901 - American and International Film History Part II

3. Areas of concentration - 30 s.h.

(Choose one area.)

**Animation and interactive design**

• ART 2070 - Animation/Interactive Design Survey
• ART 2470 - Introduction to Digital 3D Modeling and Animation
• ART 3070 - Electronic Interactive Multimedia
• ART 3081 - Intermediate Video Art
• ART 3082 - Motion Graphics Studio
• ART 3470 - Digital 3D Animation
• ART 4070 - Advanced Interactive Media
• ART 4411 - Professional Practice
• ART 4470 - Digital 3D Lighting and Rendering

**Ceramics**

• ART 2105 - Ceramics Survey
• ART 2115 - Ceramics Studio I
• ART 2125 - Ceramics Studio II
• ART 3100 - Ceramics Studio III
• ART 3110 - Ceramics Studio IV
• ART 3120 - Ceramics Studio V
• ART 4100 - Ceramics Studio VI
• ART 4110 - Ceramics Studio VII
• ART 4120 - Ceramics Studio VIII
• ART 4130 - Ceramics Studio IX
Film and video production

- ART 2205 - Digital Video Production Survey
- ART 2411 - Introduction to Scriptwriting
- ART 2480 - Visual Storytelling
- ART 3420 - Cinematography, Lighting and Audio Capture
- ART 3435 - Advanced Scriptwriting
- ART 3450 - Post-production Editing
- ART 4440 - Senior Project Production
- ART 4490 - Senior Seminar/Senior Show

Choose two courses from the following:

- ART 3462 - Short-form Narrative Production
- ART 3464 - Agency Production
- ART 3466 - Documentary Production

Graphic design

- ART 2200 - Graphic Design Survey
- ART 2210 - Graphic Design Studio I
- ART 3200 - Graphic Design Studio II
- ART 3210 - Graphic Design Studio III
- ART 4200 - Graphic Design Studio IV
- ART 4205 - Graphic Design Studio V
- ART 4210 - Graphic Design Studio VI
- ART 4215 - Graphic Design Studio VII

Choose two courses from the following:

- ART 3002 - Book Arts One
- ART 3003 - Introduction to Letterpress
- ART 3004 - Book Arts Two
- ART 3009 - Experimental Letterpress Printing
- ART 4010 - Work Experience in the Visual Arts and Design
- ART 4020 - Work Experience in the Visual Arts and Design
- ART 4030 - Work Experience in the Visual Arts and Design
- ART 4220 - Studio Photography
- ART 4610 - Printmaking Studio VI

Illustration

- ART 2200 - Graphic Design Survey
- ART 2210 - Graphic Design Studio I
• ART 2230 - Illustration Survey
• ART 3240 - Illustration Media and Techniques
• ART 4230 - Intermediate Illustration
• ART 4330 - Advanced Illustration
• ART 4340 - Advanced Illustration II

Choose three courses from the following:

• ART 2540 - Intermediate Drawing
• ART 2561 - Painting: Composition - Design for Painting
• ART 3551 - Problems in Figure Drawing
• ART 3555 - Drawing Media and Technique
• ART 3560 - Painting: Watercolor
• ART 3561 - Painting Studio I

Metal design

• ART 2300 - Metal Design Survey
• ART 2301 - Metal Design Studio I (Jewelry)
• ART 2311 - Metal Design Studio II (Enameling)
• ART 2321 - Metal Design Studio III (Raising, Spinning, Chasing, Repousse, Forging)
• ART 3301 - Metal Design Studio IV
• ART 3311 - Metal Design Studio V
• ART 3321 - Metal Enameling Studio II
• ART 4301 - Metal Design Studio VI
• ART 4311 - Metal Design Studio VII
• ART 4350 - Metal Design Studio VIII

Painting

• ART 2560 - Painting Survey: Materials and Methods

Choose 3 courses from the following:

Drawing:

• ART 2540 - Intermediate Drawing
• ART 2550 - Intermediate Figure Drawing
• ART 3551 - Problems in Figure Drawing
• ART 3552 - Problems in Figure Drawing
• ART 3553 - Problems in Figure Drawing
• ART 3554 - Figure and the Environment
• ART 3555 - Drawing Media and Technique
• ART 4551 - Selected Problems in Drawing
- ART 5550 - Advanced Figure Drawing
- ART 5551 - Advanced Drawing

Printmaking:

- ART 2010 - Printmaking Survey
- ART 2600 - Printmaking Studio I
- ART 2610 - Printmaking Studio II
- ART 3600 - Printmaking Studio III
- ART 3610 - Printmaking Studio IV
- ART 4600 - Printmaking Studio V
- ART 4610 - Printmaking Studio VI
- ART 4620 - Printmaking Studio VII
- ART 4630 - Printmaking Studio VIII
- ART 4640 - Printmaking Studio IX
- ART 4650 - Printmaking Studio X

Choose five courses from the following:

- ART 2561 - Painting: Composition - Design for Painting
- ART 3560 - Painting: Watercolor
- ART 3561 - Painting Studio I
- ART 3562 - Figure Painting
- ART 3563 - Painting Studio II
- ART 3564 - Advanced Figure Painting
- ART 3566 - Portrait Painting
- ART 4560 - Advanced Painting I
- ART 4561 - Advanced Painting II
- ART 4562 - Advanced Painting III
- ART 4563 - Advanced Painting IV
- ART 4564 - Advanced Painting V
- ART 5560 - Advanced Painting VI
- ART 5561 - Advanced Painting VII

Choose one course from the following:

- ART 4560 - Advanced Painting I
- ART 4561 - Advanced Painting II
- ART 4562 - Advanced Painting III
- ART 4563 - Advanced Painting IV
- ART 4564 - Advanced Painting V
- ART 5560 - Advanced Painting VI
- ART 5561 - Advanced Painting VII
Note: Courses cannot count in more than one category.

Photography

- ART 2220 - Photography Survey
- ART 2225 - Basic Black and White Photography
- ART 3250 - Introduction to Digital Photography
- ART 3260 - Intermediate Photography
- ART 3270 - Color Photography
- ART 3280 - Concepts in Photography
- ART 4220 - Studio Photography
- ART 4240 - Advanced Digital Photography
- ART 4250 - Professional Practices in Photography
- ART 4260 - Advanced Photography

Printmaking

- ART 2010 - Printmaking Survey
- ART 2600 - Printmaking Studio I
- ART 2610 - Printmaking Studio II
- ART 3600 - Printmaking Studio III
- ART 3610 - Printmaking Studio IV
- ART 4600 - Printmaking Studio V
- ART 4610 - Printmaking Studio VI
- ART 4620 - Printmaking Studio VII
- ART 4630 - Printmaking Studio VIII
- ART 4640 - Printmaking Studio IX

Sculpture

- ART 2705 - Sculpture Survey
- ART 2715 - Sculpture Studio I
- ART 2725 - Sculpture Studio II
- ART 3700 - Sculpture Studio III
- ART 3710 - Sculpture Studio IV
- ART 3720 - Sculpture Studio V
- ART 4700 - Sculpture Studio VI
- ART 4710 - Sculpture Studio VII
- ART 4711 - Sculpture Studio VIII
- ART 4712 - Sculpture Studio IX

Textile design

- ART 2303 - Textile Design Survey
- ART 2325 - Introduction to Weaving Design
- ART 2326 - Screen Printing on Cloth
- ART 2335 - Weaving Design II
- ART 2336 - Dye and Paint Applications to Cloth

Choose five courses from the following:

- ART 3305 - Traditional Felt Making
- ART 3306 - Textile Industry Portfolio
- ART 3315 - Dimensional Textiles
- ART 3316 - Fabric Manipulation and Construction
- ART 4305 - Material and Woven Structure
- ART 4306 - Garment Construction and Fashion Design I
- ART 4315 - Surface and Woven Structure
- ART 4316 - Garment Construction and Fashion Design II
- ART 4326 - Contemporary Issues in Surface Design
- ART 4335 - Contemporary Issues in Weaving
- ART 4336 - Senior Project in Surface Design
- ART 4345 - Senior Project in Weaving

4. Electives - 18 s.h.

Electives may be in any art (ART) prefix or art history (ARTH) prefix, including art education. Choose a minimum of 6 s.h. outside the area of concentration.

Electives may also include FILM 3900 or FILM 3901.

5. Acceptance into the concentration by portfolio review

Individual concentrations require a portfolio review for acceptance into the area. Entrance is competitive and space may be limited. Students not accepted into their preferred program or area of concentration should be prepared to seek alternative areas of concentration and/or degree programs. Students should speak with faculty in their desired concentration to receive detailed instructions regarding the portfolio review process and requirements.

Students apply to concentrations after successfully completing the following courses:

*Animation and interactive design* - ART 2070 and/or ART 2470
*Ceramics* - ART 2105 and ART 2115
*Film and video production* - ART 2205 (with a minimum 2.6 GPA)
*Graphic design* - ART 2200 and ART 2210 (with a minimum 2.6 GPA in both courses)
*Illustration* - ART 2230 (with a minimum 2.6 GPA in course and in any concentration courses taken)
*Metal design* - ART 2300
*Painting* - ART 2560 and ART 2561; or ART 3561
Photography - ART 2220 and ART 2225 (with a minimum 2.6 GPA in both courses)
Printmaking - ART 2010, ART 2600, ART 2610, and ART 3600
Sculpture - ART 2705
Textile design - ART 2303

6. An approved senior show is required for graduation.

Finance, BSBA

Minimum degree requirement is 123 s.h. of credit as follows:

1. Foundations curriculum requirements including those listed below - 42 s.h.
40 s.h.

(For information about courses that carry foundations curriculum credit see Liberal Arts Foundations Curriculum)

- COMM 2020 - Fundamentals of Speech Communication
- ECON 2113 - Principles of Microeconomics
- ECON 2133 - Principles of Macroeconomics
- MATH 1066 - Applied Mathematics for Decision Making

- PHIL 2274 - Business Ethics or
- PHIL 2275 - Professional Ethics

Choose 3 s.h. from:

- PSYC 1000 - Introductory Psychology
- SOCI 2110 - Introduction to Sociology

Choose 3 s.h. from one additional social science area:
Anthropology, communication, geography, history, political science, psychology, sociology

2. Cognates – 6 s.h.

- ENGL 3880 - Writing for Business and Industry
- MATH 2283 - Statistics for Business (Note: Can be used to meet the General Education Elective requirement)

3. Business core - 36 s.h.

- ACCT 2401 - Financial Accounting
- ACCT 2521 - Managerial Accounting
- FINA 2244 - Legal Environment of Business
- FINA 3724 - Financial Management
- MGMT 3302 - Management of Organizations
- MGMT 4842 - Strategic Management
- MIS 2223 - Introduction to Computers
- MIS 3063 - Introduction to Management Information Systems
- MKTG 3832 - Marketing Management
- OMGT 3123 - Operations and Supply Chain Management
- OMGT 3223 - Business Decision Modeling

Choose one international perspectives course from:

- ACCT 4451 - International Accounting
- FINA 4454 - International Finance
- MGMT 3352 - International Business
- MKTG 3852 - Cultural Environment of International Business
- MKTG 4992 - International Marketing

4. Concentrations - 18 s.h.

(Choose one.)
Finance concentration:

- FINA 3144 - Financial Markets
- FINA 3824 - Financial Analysis and Planning
- FINA 3904 - Investments

Choose 9 s.h. from (a minimum 6 s.h. must be above 3999 or have an ACCT prefix):

- ACCT 3551 - Intermediate Accounting I
- ACCT 3621 - Cost Accounting
- FINA 3154 - Principles of Risk Management and Insurance
- FINA 3554 - Principles of Real Estate
- FINA 4404 - Security Analysis and Portfolio Management
- FINA 4414 - Derivatives and Financial Risk Management
- FINA 4454 - International Finance
- FINA 4604 - Real Estate Financing
- FINA 4654 - Commercial Bank Management
- FINA 4734 - Financial Management II
- FINA 4964 - Topics in Finance

Risk management and insurance concentration:

- FINA 3154 - Principles of Risk Management and Insurance
- FINA 3544 - Commercial Property Insurance
- FINA 3564 - Commercial Liability Insurance
- FINA 4500 - Risk Management I
- FINA 4700 - Advanced Risk and Insurance Topics

Choose 3 s.h. from

- FINA 3904 - Investments
- FINA 4600 - Risk Management II
- FINA 4750 - Insurance Market Operations
- FINA 4964 - Topics in Finance
- MKTG 4762 - Services Marketing

5. Leadership and professional development - 9 s.h.
• BUSI 1200 - Strategy First
• BUSI 2200 - Experiential Leadership: Teams in Action
• BUSI 3200 - Professional Development and Ethical Leadership
• BUSI 4200 - Leadership Capstone
• Leadership and Professional Development Portfolio must be completed prior to graduation.

6. Electives to complete requirements for graduation.

Foreign Languages and Literatures, BA

Minimum degree requirement is 120 s.h. of credit as follows:

1. Foundations curriculum requirements including the following - 42 s.h. 40 s.h.

(For information about courses that carry foundations curriculum credit see Liberal Arts Foundations Curriculum.)

French concentration:

• HIST 1030 - World Civilizations to 1500
• HIST 1031 - World Civilizations Since 1500
  or
• HIST 1552 - Honors, World History to 1500

French education concentration:

• COMM 2020 - Fundamentals of Speech Communication or
• COMM 2410 - Public Speaking

• HIST 1030 - World Civilizations to 1500
- HIST 1031 - World Civilizations Since 1500

  or

- HIST 1552 - Honors, World History to 1500

- MATH 1065 - College Algebra or
- MATH 1066 - Applied Mathematics for Decision Making or
- MATH 2127 - Basic Concepts of Mathematics

- PSYC 1000 - Introductory Psychology

**German education concentration:**

- COMM 2020 - Fundamentals of Speech Communication or
- COMM 2410 - Public Speaking

- MATH 1065 - College Algebra or
- MATH 1066 - Applied Mathematics for Decision Making or
- MATH 2127 - Basic Concepts of Mathematics

- PSYC 1000 - Introductory Psychology
- Choose a literature course

**Hispanic studies concentration:**

- FORL 2665 - Don Quixote or
- FORL 2666 - Latino Texts

- HIST 1030 - World Civilizations to 1500 or
- HIST 1552 - Honors, World History to 1500
- HIST 1031 - World Civilizations Since 1500

**Hispanic studies education concentration:**

- COMM 2020 - Fundamentals of Speech Communication or
  - COMM 2410 - Public Speaking

- FORL 2665 - Don Quixote or
  - FORL 2666 - Latino Texts

- HIST 1030 - World Civilizations to 1500 or
  - HIST 1552 - Honors, World History to 1500

- HIST 1031 - World Civilizations Since 1500

- MATH 1065 - College Algebra or
  - MATH 1066 - Applied Mathematics for Decision Making or
  - MATH 2127 - Basic Concepts of Mathematics

- PSYC 1000 - Introductory Psychology

**Note:**

Foundations courses have not been specified for German and global studies areas of concentration.

**2. Core - 30-36 s.h.**
(Includes grammar, conversation, composition, literature, culture, and history courses associated with three language areas and global studies courses associated with the global studies concentration.)

**French concentration - 36 s.h.**

- FREN 3002 - Review of Grammar
- FREN 3225 - Advanced Conversation
- FREN 3330 - Composition and Advanced Grammar
- FREN 3500 - Introduction to Literature

Choose 9 s.h. from:

- FREN 3001 - Culture and Communication
- FREN 3443 - Special Topics in the Culture of France
- FREN 3444 - Special Topics in Francophone Cultures of the World

Choose 9 s.h. from:

- FREN 4555 - France of the Middle Ages and Renaissance
- FREN 4556 - France from Classicism to the French Revolution
- FREN 4557 - France from the Napoleonic Period to World War II
- FREN 4558 - The Francophone World: Colonization to Independence
- FREN 4560 - The Contemporary French and Francophone World

Choose 6 s.h. of FREN electives above 2999

**French education concentration - 36 s.h.**

- FREN 3002 - Review of Grammar
- FREN 3225 - Advanced Conversation
- FREN 3330 - Composition and Advanced Grammar
- FREN 3500 - Introduction to Literature
Choose 9 s.h. from:

- FREN 3001 - Culture and Communication
- FREN 3443 - Special Topics in the Culture of France
- FREN 3444 - Special Topics in Francophone Cultures of the World

Choose 9 s.h. from:

- FREN 4555 - France of the Middle Ages and Renaissance
- FREN 4556 - France from Classicism to the French Revolution
- FREN 4557 - France from the Napoleonic Period to World War II
- FREN 4558 - The Francophone World: Colonization to Independence
- FREN 4560 - The Contemporary French and Francophone World

Choose 6 s.h. of FREN electives above 2999

German concentration - 36 s.h.

- FORL 2600 - Literature in Translation: The Holocaust or
- HIST 3435 - History of Europe Since 1914 or
- HIST 3461 - Germany Since 1914 or
- equivalent course

- GERM 3001 - German Composition and Conversation I
- GERM 3002 - German Composition and Conversation II
- GERM 3210 - Conversation
- GERM 3330 - Composition and Advanced Grammar
- GERM 3420 - Culture of the German-Speaking World
- GERM 3510 - Introduction to German Literature
- Choose 6 s.h. of German literature above 2999
- Choose 9 s.h. of GERM electives above 2999

German education concentration - 36 s.h.
• FORL 2600 - Literature in Translation: The Holocaust or
• HIST 3435 - History of Europe Since 1914 or
• HIST 3461 - Germany Since 1914 or
equivalent course

• GERM 3001 - German Composition and Conversation I
• GERM 3002 - German Composition and Conversation II
• GERM 3210 - Conversation
• GERM 3330 - Composition and Advanced Grammar
• GERM 3420 - Culture of the German-Speaking World
• GERM 3510 - Introduction to German Literature
• Choose 6 s.h. of German literature above 2999
• Choose 9 s.h. of GERM electives above 2999

Global studies concentration - 30 s.h.

• GLST 1000 - Introduction to Global Studies
• GLST 4500 - Seminar in Global Studies

Choose 15 s.h. of FREN or GERM or SPAN electives above 2004

or

Choose 9 s.h. of FREN or GERM or SPAN electives above 2999 and 6 s.h. of a different language prefix above 1002 (for example CHIN, GRK, ITAL, JAPN, LATN, RUSS)

Choose 9 s.h. of FORL electives from:

• FORL 1060 - Global Understanding Through Literature
• FORL 1662 - Introduction to Hispanic Studies
• FORL 2520 - French Cinema Classics
• FORL 2600 - Literature in Translation: The Holocaust
• FORL 2620 - French Literature in Translation
• FORL 2622 - Francophone Literature of the Americas in Translation
• FORL 2624 - Francophone Literature of Africa in Translation
- FORL 2660 - Spanish Literature in Translation
- FORL 2661 - Latin American Literature in Translation
- FORL 2662 - Special Topics in Hispanic Cinemas
- FORL 2665 - Don Quixote
- FORL 2666 - Latino Texts
- FORL 2680 - German Literature in Translation
- FORL 2690 - Introduction to German Cinema
- FORL 2700 - Special Topics in French or Francophone Literature
- FORL 2760 - Special Topics in Hispanic Studies
- FORL 3660 - Hispanic Women Writers
- FORL 4700 - Special Topics in Foreign Languages and Literatures

**Hispanic studies concentration - 36 s.h.**

- SPAN 3001 - Spanish Conversation
- SPAN 3002 - Spanish Composition and Review of Grammar
- SPAN 3210 - Advanced Composition
- SPAN 3325 - Spanish Phonetics and Phonology
- SPAN 3440 - Spanish Culture and Civilization
- SPAN 3441 - Latin-American Culture and Civilization
- SPAN 3550 - Introduction to Cultural Analysis

Choose 15 s.h. of SPAN electives above 2999

(Include 9 s.h. from the following with a minimum number from each area as designated below.)

Choose a minimum of 3 s.h. from:

- SPAN 4560 - Major Latin American Authors
- SPAN 4561 - Colonial Latin America in Texts and Images
- SPAN 4562 - Latin American Texts of the Nineteenth and Early Twentieth Centuries
- SPAN 4563 - Latin American Texts: The Boom and Beyond

Choose a minimum of 3 s.h. from:

- SPAN 4555 - Medieval Spain (900-1499)
- SPAN 4556 - Renaissance and Baroque Spain (1500-1681)
- SPAN 4557 - Spain from Neo-Classicism to Realism (1681-1898)
• SPAN 4558 - Contemporary Spain (1898-Present)

**Hispanic studies education concentration - 36 s.h.**

• SPAN 2110 - Cultural Readings in Spanish

• SPAN 3001 - Spanish Conversation or
• SPAN 3220 - Advanced Oral Communication Through Multimedia

• SPAN 3002 - Spanish Composition and Review of Grammar
• SPAN 3210 - Advanced Composition
• SPAN 3325 - Spanish Phonetics and Phonology
• SPAN 3335 - Structure of the Spanish Language
• SPAN 3440 - Spanish Culture and Civilization
• SPAN 3441 - Latin-American Culture and Civilization
• SPAN 3550 - Introduction to Cultural Analysis

**Choose 9 s.h. of SPAN electives above 2999**

(Include 6 s.h. from the following with a minimum number from each area as designated below.)

**Choose a minimum of 3 s.h. from:**

• SPAN 4555 - Medieval Spain (900-1499)
• SPAN 4556 - Renaissance and Baroque Spain (1500-1681)
• SPAN 4557 - Spain from Neo-Classicism to Realism (1681-1898)
• SPAN 4558 - Contemporary Spain (1898-Present)

**Choose a minimum of 3 s.h. from:**

• SPAN 4560 - Major Latin American Authors
• SPAN 4561 - Colonial Latin America in Texts and Images
• SPAN 4562 - Latin American Texts of the Nineteenth and Early Twentieth Centuries
3. Professional studies - 24 s.h.

(Applies only to French, German, and Hispanic studies education concentrations.)

French education:

- EDTC 4001 - Technology in Education
- EDUC 3200 - Foundations of American Education
- EDUC 4400 - Foundations of School Learning, Motivation, and Assessment or
- PSYC 4305 - Educational Psychology
- FREN 2611 - Early Experiences for the Prospective Teacher
- FREN 4880 - Internship in French
- FREN 4881 - Internship Seminar: Issues in French Education
- READ 3990 - Teaching Reading in the Content Areas in the Secondary School
- SPED 4010 - Effective Instruction in Inclusive Classrooms

German education:

- EDTC 4001 - Technology in Education
- EDUC 3200 - Foundations of American Education
- EDUC 4400 - Foundations of School Learning, Motivation, and Assessment or
- PSYC 4305 - Educational Psychology
- GERM 2611 - Early Experiences for the Prospective Teacher
- GERM 4880 - Internship in German
- GERM 4881 - Internship Seminar: Issues in German Teaching
• READ 3990 - Teaching Reading in the Content Areas in the Secondary School
• SPED 4010 - Effective Instruction in Inclusive Classrooms

Hispanic studies education:

• EDTC 4001 - Technology in Education
• EDUC 3200 - Foundations of American Education

• EDUC 4400 - Foundations of School Learning, Motivation, and Assessment or
• PSYC 4305 - Educational Psychology

• READ 3990 - Teaching Reading in the Content Areas in the Secondary School
• SPAN 2611 - Early Experiences for the Prospective Teacher
• SPAN 4880 - Internship in Spanish
• SPAN 4881 - Internship Seminar: Issues in Spanish Teaching
• SPED 4010 - Effective Instruction in Inclusive Classrooms

4. Specialty area studies - 11 s.h.

(Appplies only to education concentrations specified below.)

French education:

• EDUC 3002 - Introduction to Diversity or
• PSYC 2777 - Ethnocultural Psychology

• ELEM 3000 - Curriculum and Standards in Elementary School
• FREN 4611 - Teaching Second Languages in Grades K-12

German education:
• EDUC 3002 - Introduction to Diversity or
• PSYC 2777 - Ethnocultural Psychology

• ELEM 3000 - Curriculum and Standards in Elementary School
• GERM 4611 - Teaching Second Languages in Grades K-12

Hispanic studies education:

• EDUC 3002 - Introduction to Diversity or
• PSYC 2777 - Ethnocultural Psychology

• ELEM 3000 - Curriculum and Standards in Elementary School
• SPAN 4611 - Teaching Second Languages in Grades K-12

5. Minor and/or electives to complete requirements for graduation.

The French, German, Global, and Hispanic studies concentrations require a minor and general electives to complete requirements for graduation.

The French education, German education, and Hispanic studies education concentrations require electives to complete requirements for graduation.

6. Oral qualifying examination requirement

Health Services Management, BS
Minimum degree requirement is **1264 s.h.** of credit as follows:

1. Foundations curriculum requirements including those listed below **42 s.h. 40 s.h.**

   (For information about courses that carry foundations curriculum credit see *Liberal Arts Foundations Curriculum*)

   - BIOL 2130 - Survey of Human Physiology and Anatomy
   - BIOL 2131 - Survey of Human Physiology and Anatomy Laboratory
   - MATH 1065 - College Algebra

   **Recommended:**

   - ECON 2113 - Principles of Microeconomics

2. Core - 52-55 s.h.

   - HIMA 3120 - Health Care Delivery Systems
   - HIMA 4030 - Quality Management in Health Care
   - HIMA 4075 - Applied Health Services Research
   - HSMA 2000 - Professional Roles and Environments in Health Care
   - HSMA 3020 - Health Care Payment Systems
   - HSMA 3025 - Professional Ethical Codes and Law in Health Care
   - HSMA 3030 - Written Communication and Documentation in Health Care
   - HSMA 3035 - Interpersonal Team Skills for Health Care Supervisors and Practitioners
   - HSMA 3040 - Managing the Health of Populations
   - HSMA 3045 - Health Data Management
   - HSMA 3050 - Leadership in Health Care
   - HSMA 4010 - Health Information Management
   - HSMA 4050 - Personnel Management and Supervision in Health Care
   - HSMA 4055 - Health Care Finance and Accounting
   - HSMA 4060 - Medical Practice Management
   - HSMA 4065 - Management of Health Care Operations and Patient Flow
   - HSMA 4903 - Allied Health Management Experience
   - HSMA 4904 - Allied Health Management Experience
   - HSMA 4905 - Allied Health Management Experience
   - HSMA 4906 - Allied Health Management Experience

3. Cognates - 6 s.h.

   - BIOS 1500 - Introduction to Biostatistics
• MIS 2223 - Introduction to Computers

4. Concentrations - 6-11 s.h.

(Choose one.)

Allied health management concentration (8-11 s.h.)

(Choose from the following.)

• HPRO 2501 - Allied Health Practice
• HPRO 2502 - Allied Health Practice
• HPRO 2503 - Allied Health Practice
• HPRO 2504 - Allied Health Practice
• HPRO 2505 - Allied Health Practice

Health services management concentration (6 s.h.)

• HIMA 3000 - Medical Terminology for Health Professionals
• HSMA 3115 - Human Diseases

5. Restricted electives to complete requirements for graduation.

(Choose from the following courses, prerequisites for allied health graduate programs, or others in consultation with advisor.)

• BITE 2212 - Basic Programming for Business Applications
• BITE 2311 - Financial Information Systems I
• BIOS 5010 - Epidemiology for Health Professionals
• GERO 2400 - Introduction to Gerontology
• HIMA 4165 - Health Information Systems
• HSMA 4015 - Health Care Records and Data: Maintenance and Analysis
• HSMA 4020 - Health Care Reimbursement: Public
• HSMA 4025 - Health Care Reimbursement: Private
• HSMA 4028 - Health Care Reimbursement: Policy and Research
• HSMA 4056 - Marketing Health Care Services
• HSMA 4057 - Introduction to Long Term Care
• HSMA 4070 - Outcomes Assessment and Management in Health Care
• HSMA 4075 - Managed Care in Health Systems
• HSMA 4081 - Advanced Topics in Health Care Management and Service Delivery
• HSMA 4082 - Advanced Topics in Health Care Management and Service Delivery
HSMA 4083 - Advanced Topics in Health Care Management and Service Delivery

Choose 19-22 s.h. from the following courses:

- HPRO 2501 - Allied Health Practice
- HPRO 2502 - Allied Health Practice
- HPRO 2503 - Allied Health Practice
- HPRO 2504 - Allied Health Practice
- HPRO 2505 - Allied Health Practice

Hospitality Management, BS

A minimum grade of C- (1.7) must be earned in each HMGT course. Minimum degree requirement is 126 s.h. of credit as follows:

1. Foundations curriculum requirements including those listed below - 42 s.h.

   40 s.h.

   (For information about courses that carry foundations curriculum credit see Liberal Arts Foundations Curriculum.)

   - ECON 2113 - Principles of Microeconomics
   - MATH 1066 - Applied Mathematics for Decision Making

2. Common core - 45 s.h.

   - HMGT 1350 - Introduction to Hospitality Management
   - HMGT 1500 - Multicultural Hospitality Management
   - HMGT 2100 - Lodging Management I
   - HMGT 2170 - Hospitality Services Management
   - HMGT 2200 - Introduction to Conventions and Special Events
   - HMGT 2300 - Principles of Food Preparation and Menu Planning
   - HMGT 2301 - Principles of Food Preparation and Menu Planning Laboratory
   - HMGT 2591 - Field Experience in Hospitality Management I
   - HMGT 3200 - Dimensions of Tourism
   - HMGT 3750 - Hospitality Facilities Management
   - HMGT 4244 - Hospitality Law
   - HMGT 4308 - Cost Controls for Hospitality Operations
   - HMGT 4440 - Hospitality Marketing
3. Concentrations - 18 s.h.

(Choose one.)

Convention and special events management concentration:

- HMGT 3400 - Meeting, Event, and Convention Planning
- HMGT 3992 - Field Experience in Conventions and Special Events Management
- HMGT 4040 - Producing Meetings, Events, and Conventions
- HMGT 4400 - Convention Sales and Services Management
- Select two 3000 or 4000-level HMGT courses in addition to core and concentration courses.

Food and beverage management concentration:

- HMGT 3300 - Principles of Classical Cuisine
- HMGT 3301 - Principles of Classical Cuisine Lab
- HMGT 3991 - Field Experience in Food and Beverage Management
- HMGT 4120 - Wine and Beverage Management
- HMGT 4300 - Advanced Food Production and Service Management
- HMGT 4301 - Advanced Food Production and Service Management Lab
- Select two 3000 or 4000-level HMGT courses in addition to core and concentration courses.

Lodging management concentration:

- HMGT 3600 - Lodging Management II
- HMGT 3990 - Field Experience in Lodging Management
- HMGT 4100 - Lodging Revenue Management
- HMGT 4300 - Advanced Food Production and Service Management
- HMGT 4301 - Advanced Food Production and Service Management Lab
- Select two 3000 or 4000-level HMGT courses in addition to core and concentration courses.

1. Business administration minor - 24 s.h.

(To view requirements for the business administration minor, click on this link.)

Note:
ECON 2113 and MATH 2283 (required business administration minor course) will also count toward the total general education requirement for this degree.

Information and Computer Technology, BS

Philip J. Lunsford, Coordinator, C123 Science and Technology Building

The information and computer technology program is accredited by the Association of Technology, Management, and Applied Engineering. Credit toward an information and computer technology major will not be given for any ICTN course with a grade less than C (2.0).

Minimum degree requirement is 126 s.h. 124 s.h. credit as follows:

1. Foundations curriculum requirements including those listed below 42 s.h. 40 s.h.

(For information about courses that carry foundations curriculum credit see Liberal Arts Foundations Curriculum.)

- ECON 2113 - Principles of Microeconomics

- MATH 1065 - College Algebra or
- MATH 1066 - Applied Mathematics for Decision Making

- PHYS 1250 - General Physics
  - PHYS 1251 - General Physics Laboratory
- PHYS 1260 - General Physics
- PHYS 1261 - General Physics Laboratory
- PSYC 1000 - Introductory Psychology
- PSYC 3241 - Personnel and Industrial Psychology
2. Lower division core - 24 s.h.

- ICTN 1500 - Information and Computer Technology Fundamentals
- ICTN 1501 - Information and Computer Technology Fundamentals Laboratory
- ICTN 2150 - Network Fundamentals
- ICTN 2151 - Network Fundamentals Laboratory
- ICTN 2154 - Digital Communication Systems
- ICTN 2155 - Digital Communication Systems Laboratory
- ICTN 2158 - Computer Networking Technology
- ICTN 2159 - Computer Networking Technology Laboratory
- ICTN 2510 - Network Environment I
- ICTN 2511 - Network Environment I Laboratory
- ICTN 2530 - Network Environment II
- ICTN 2531 - Network Environment II Laboratory
- ICTN 2732 - Scripting for Information Technology
- ICTN 2900 - Fundamental Network Security
- ICTN 2901 - Fundamental Network Security Laboratory
- ICTN 3540 - Network Environment III
- ICTN 3541 - Network Environment III Laboratory
- ICTN 4000 - Network Internship
- ICTN 4020 - Senior Information and Computer Technology Capstone Design Project I
- ICTN 4022 - Senior Information and Computer Technology Capstone Design Project II
- ICTN 4040 - Enterprise Information Security
- IDIS 3790 - Technical Presentations
- ITEC 3290 - Technical Writing
- ITEC 3300 - Technology Project Management

3. Upper division core - 24 s.h.

- ICTN 2900 - Fundamental Network Security
- ICTN 2901 - Fundamental Network Security Laboratory
- ICTN 3540 - Network Environment III
- ICTN 3541 - Network Environment III Laboratory
- ICTN 4000 - Network Internship
- ICTN 4020 - Senior Information and Computer Technology Capstone Design Project I
- ICTN 4022 - Senior Information and Computer Technology Capstone Design Project II
- ICTN 4040 - Enterprise Information Security
- IDIS 3790 - Technical Presentations
- ITEC 3290 - Technical Writing
- ITEC 3300 - Technology Project Management

4. Concentrations - 12 s.h.

(Choose one.)

Computer networking concentration:
• ICTN 3250 - Internetwork Routing Technology
• ICTN 3251 - Internetwork Routing Technology Laboratory
• ICTN 4150 - Switching Network Technology
• ICTN 4151 - Switching Network Technology Laboratory
• ICTN 4250 - Enterprise Network Security Technology
• ICTN 4251 - Enterprise Network Security Technology Laboratory
• ICTN 4590 - Network Maintenance and Troubleshooting
• ICTN 4591 - Network Maintenance and Troubleshooting Laboratory

Information security concentration:

• ICTN 4064 - Regulations and Policies
• ICTN 4200 - Intrusion Detection Technologies
• ICTN 4201 - Intrusion Detection Technologies Laboratory
• ICTN 4600 - Enterprise Information Technology Management
• ICTN 4601 - Enterprise Information Technology Management Laboratory
• ICTN 4800 - Information Assurance Technologies
• ICTN 4801 - Information Assurance Technologies Laboratory

Information technology concentration:

• ICTN 3900 - Web Services Management
• ICTN 3901 - Web Services Management Laboratory
• ICTN 4064 - Regulations and Policies
• ICTN 4520 - Wireless Communication
• ICTN 4521 - Wireless Communication Laboratory
• ICTN 4600 - Enterprise Information Technology Management
• ICTN 4601 - Enterprise Information Technology Management Laboratory

5. Cognates - 12 s.h.

• FINA 2244 - Legal Environment of Business

• ITEC 3200 - Introduction to Statistical Process Control or
• MATH 2283 - Statistics for Business

• ITEC 3800 - Cost and Capital Project Analysis or
• ACCT 2101 - Survey of Financial and Managerial Accounting or
Management, BSBA

The BSBA in management offers students the opportunity to acquire knowledge in the management of human and physical resources and to acquire skills useful in the management of domestic and international organizations.

Minimum degree requirement is 123 s.h. of credit as follows:

1. Foundations curriculum requirements including those listed below (For information about courses that carry foundations curriculum credit see Liberal Arts Foundations Curriculum.)

   - COMM 2020 - Fundamentals of Speech Communication
   - ECON 2113 - Principles of Microeconomics
   - ECON 2133 - Principles of Macroeconomics
   - MATH 1066 - Applied Mathematics for Decision Making
   - PHIL 2274 - Business Ethics or
   - PHIL 2275 - Professional Ethics

Choose 3 s.h. from:

   - PSYC 1000 - Introductory Psychology
   - SOCI 2110 - Introduction to Sociology
Choose 3 s.h. from one additional social science area:

Anthropology, communication, geography, history, political science, psychology, sociology

2. Cognates – 6 s.h.

- ENGL 3880 - Writing for Business and Industry
- MATH 2283 - Statistics for Business (Note: Can be used to meet the General Education Elective requirement)

3. Business core - 36 s.h.

- ACCT 2401 - Financial Accounting
- ACCT 2521 - Managerial Accounting
- FINA 2244 - Legal Environment of Business
- FINA 3724 - Financial Management
- MGMT 3302 - Management of Organizations
- MGMT 4842 - Strategic Management
- MIS 2223 - Introduction to Computers
- MIS 3063 - Introduction to Management Information Systems
- MKTG 3832 - Marketing Management
- OMGT 3123 - Operations and Supply Chain Management
- OMGT 3223 - Business Decision Modeling

Choose 3 s.h. from:

(The following courses are international perspectives courses.)

- ACCT 4451 - International Accounting
- FINA 4454 - International Finance
- MGMT 3352 - International Business
- MKTG 3852 - Cultural Environment of International Business
- MKTG 4992 - International Marketing


(Choose one.)

Entrepreneurship and small business management concentration - 18 s.h.
• MGMT 4242 - Organizational Behavior or
  PSYC 3241 - Personnel and Industrial Psychology

• MGMT 4252 - Entrepreneurship
  MGMT 4262 - Small Business Management

Choose 9 s.h. from:

• FINA 3824 - Financial Analysis and Planning
• MGMT 4272 - Managing the Family Business
• MGMT 4352 - Management in a Global Economy
• MGMT 4402 - Human Resource Management
• MGMT 4482 - Managerial Negotiation
• MKTG 4362 - Retail Management
• MKTG 4662 - Marketing Research
• MKTG 4732 - Consumer Behavior
• MKTG 4752 - Advertising and Promotion Management
• OMGT 4743 - Purchasing and Materials Management

General business concentration - 18 s.h.

The concentration in general business offers students the opportunity to acquire a general overview of the skills necessary to manage human and physical resources. Although primarily designed for distance education students, students on campus may choose this concentration. Enrollment in this concentration will be limited by the resources available. Distance education students will receive priority in enrollment in distance education courses. Complete 18 s.h. of credit as detailed below:

• ACCT 4921 - Accounting for Business Professionals
• FINA 3144 - Financial Markets

• MGMT 4242 - Organizational Behavior or
  PSYC 3241 - Personnel and Industrial Psychology

• MKTG 4732 - Consumer Behavior
• OMGT 4733 - Project Management

Choose 3 s.h. from:

• FINA 3904 - Investments
• MGMT 4402 - Human Resource Management
• Other courses approved by advisor

International business concentration - 27 s.h.

Choose 18 s.h. from:

(The 3 s.h. business core international perspectives course requirement cannot be counted as part of this 18 s.h. requirement.)

• ACCT 4451 - International Accounting

• ANTH 2010 - Societies Around the World or
• POLS 2020 - Introduction to International Relations

• FINA 4454 - International Finance
• MGMT 3352 - International Business
• MGMT 4352 - Management in a Global Economy
• MKTG 3852 - Cultural Environment of International Business
• MKTG 4992 - International Marketing

Choose 9 s.h. from one of the following world regions:

(These courses are chosen by the student. No more than two courses should be chosen from any one department.)

Africa/Middle East:

• ANTH 3003 - Cultures of Africa
• COMM 3180 - Intercultural Communication
• COMM 3390 - International News
• ECON 3353 - Development Economics
• FORL 2624 - Francophone Literature of Africa in Translation
• GEOG 2110 - World Geography: Less Developed Regions
• GEOG 3050 - Africa
• HIST 3670 - History of the Middle East Since 1500
• HIST 3810 - History of Africa
• POLS 3260 - Middle Eastern Political Systems
• POLS 3265 - African Political Systems
• POLS 3293 - International Organizations
• POLS 3295 - International Law
• PSYC 3314 - Psychology of Religion
• RELI 1690 - World Religions

Asia:

• ANTH 3002 - Cultures of East Asia
• ARTH 3920 - Asian Art
• COMM 3180 - Intercultural Communication
• COMM 3390 - International News
• ECON 3353 - Development Economics
• GEOG 2110 - World Geography: Less Developed Regions
• GEOG 3051 - Asia
• HIST 3611 - History of East Asia Since 1600
• HIST 3620 - History of Modern Japan
• HIST 3630 - History of Modern China
• HIST 4610 - History of Southeast Asia
• POLS 3280 - South Asian Political Systems
• POLS 3293 - International Organizations
• POLS 3295 - International Law
• PSYC 3314 - Psychology of Religion
• RELI 1690 - World Religions

Europe:

• IDSN 2700 - Historic Interiors I: 3000 BC Through Mid-Nineteenth Century
• COMM 3180 - Intercultural Communication
• COMM 3390 - International News
• ECON 3353 - Development Economics
• ECON 4373 - International Trade
• FORL 2620 - French Literature in Translation
• FORL 2660 - Spanish Literature in Translation
• FORL 2680 - German Literature in Translation
• GEOG 2100 - World Geography: Developed Regions
• GEOG 3047 - Western Europe
• HIST 3435 - History of Europe Since 1914
• POLS 3234 - West European Political Systems
- POLS 3235 - East European Political Systems
- POLS 3236 - Russian Politics
- POLS 3293 - International Organizations
- POLS 3295 - International Law
- PSYC 3314 - Psychology of Religion
- RELI 1690 - World Religions

South America:

- ANTH 3016 - Cultures of the Caribbean
- ANTH 3017 - Cultures of Mexico and Guatemala
- ANTH 3018 - Cultures of South and Central America
- COMM 3180 - Intercultural Communication
- COMM 3390 - International News
- ECON 3353 - Development Economics
- FORL 2661 - Latin American Literature in Translation
- FORL 2760 - Special Topics in Hispanic Studies
- FORL 3660 - Hispanic Women Writers
- GEOG 2110 - World Geography: Less Developed Regions
- GEOG 3049 - Latin America
- HIST 3711 - Introduction to Latin-American History: Since 1808
- HIST 3780 - Mexico and Central America
- POLS 3293 - International Organizations
- POLS 3295 - International Law
- PSYC 3314 - Psychology of Religion
- RELI 1690 - World Religions

For non-North American students:

North America:

- IDSN 2700 - Historic Interiors I: 3000 BC Through Mid-Nineteenth Century
- ANTH 3017 - Cultures of Mexico and Guatemala
- COMM 3180 - Intercultural Communication
- COMM 3390 - International News
- ECON 3420 - Money and Banking
- GEOG 2110 - World Geography: Less Developed Regions
- GEOG 3046 - United States and Canada
- HIST 1051 - American History Since 1877
- HIST 2012 - American Business History
- HIST 3031 - Economic History of the United States Since 1865
- HIST 3245 - The United States Since 1945
- HIST 3780 - Mexico and Central America
- POLS 3293 - International Organizations
- POLS 3295 - International Law
• PSYC 3314 - Psychology of Religion
• RELI 1690 - World Religions

Additional requirements:

• Competency in one foreign language as demonstrated by scoring Intermediate-High on the Listening and Reading sections and Intermediate-Mid on the Speaking and Writing sections of the ACTFL Test.
• Minimum of one semester abroad, enrolled in an approved academic program with a focal world region.

Management concentration - 18 s.h.

• MGMT 4242 - Organizational Behavior or PSYC 3241 - Personnel and Industrial Psychology

• MGMT 4482 - Managerial Negotiation

Choose 12 s.h. from:

• MGMT 4252 - Entrepreneurship
• MGMT 4272 - Managing the Family Business
• MGMT 4342 - Organizational Change and Development
• MGMT 4343 - Organizational Leaders and Leadership
• MGMT 4352 - Management in a Global Economy
• MGMT 4402 - Human Resource Management
• MGMT 4422 - Labor Relations
• MGMT 4952 - Topics in Management

5. Leadership and professional development - 9 s.h.

• BUSI 1200 - Strategy First
• BUSI 2200 - Experiential Leadership: Teams in Action
• BUSI 3200 - Professional Development and Ethical Leadership
• BUSI 4200 - Leadership Capstone
• Leadership and Professional Development Portfolio must be completed prior to graduation.

6. Electives to complete requirements for graduation.
Management Information Systems, BSBA

The BSBA in management information systems provides students with a strong technical background on which to build interpersonal and problem solving skills.

Minimum degree requirement is **123 120 s.h.** of credit as follows:

1. Foundations curriculum requirements including those listed below - **42 s.h.**

**40 s.h.**

(For information about courses that carry foundations curriculum credit see *Liberal Arts Foundations Curriculum.*)

- COMM 2020 - Fundamentals of Speech Communication
- ECON 2113 - Principles of Microeconomics
- ECON 2133 - Principles of Macroeconomics
- MATH 1066 - Applied Mathematics for Decision Making
- PHIL 2274 - Business Ethics or
- PHIL 2275 - Professional Ethics

Choose 3 s.h. from:

- PSYC 1000 - Introductory Psychology
- SOCI 2110 - Introduction to Sociology

Choose 3 s.h. from:

**Choose 3 s.h. from one additional social science area:**

Anthropology, communication, geography, history, political science, psychology, sociology
2. Cognates – 6 s.h.

- ENGL 3880 - Writing for Business and Industry
- MATH 2283 - Statistics for Business *(Note: Can be used to meet the General Education Elective requirement)*

3. Business core - 36 s.h.

- ACCT 2401 - Financial Accounting
- ACCT 2521 - Managerial Accounting
- FINA 2244 - Legal Environment of Business
- FINA 3724 - Financial Management
- MGMT 3302 - Management of Organizations
- MGMT 4842 - Strategic Management
- MGMT 3323 - Management of Organizations
- MGMT 3352 - International Business
- MKTG 3832 - Marketing Management
- OMGT 3123 - Operations and Supply Chain Management
- OMGT 3223 - Business Decision Modeling

Choose one international perspectives course from:

- ACCT 4451 - International Accounting
- FINA 4454 - International Finance
- MGMT 3352 - International Business
- MKTG 3852 - Cultural Environment of International Business
- MKTG 4992 - International Marketing

4. Concentration area - 18 s.h.

Management information systems:

- MIS 3673 - Software Design and Development
- MIS 4113 - Data Base Management Systems
- MIS 4123 - Telecommunications and Networked Systems
- MIS 4153 - Web Application Development for Business
- MIS 4163 - Information Systems Analysis and Design
- MIS 4173 - Information Systems Development and Implementation

5. Leadership and professional development - 9 s.h.
- BUSI 1200 - Strategy First
- BUSI 2200 - Experiential Leadership: Teams in Action
- BUSI 3200 - Professional Development and Ethical Leadership
- BUSI 4200 - Leadership Capstone

Leadership and Professional Development Portfolio must be completed prior to graduation.

6. Electives to complete requirements for graduation.

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Marketing, BSBA

Minimum degree requirement is 123 s.h. of credit as follows:

1. Foundations curriculum requirements including those listed below - 42 s.h.
   40 s.h.

(For information about courses that carry foundations curriculum credit see Liberal Arts Foundations Curriculum.)

- COMM 2020 - Fundamentals of Speech Communication
- ECON 2113 - Principles of Microeconomics
- ECON 2133 - Principles of Macroeconomics
- MATH 1066 - Applied Mathematics for Decision Making

- PHIL 2274 - Business Ethics or
- PHIL 2275 - Professional Ethics

Choose 3 s.h. from:

- PSYC 1000 - Introductory Psychology
Choose 3 s.h. from one additional social science area:

Anthropology, communication, geography, history, political science, psychology, sociology

2. Cognates – 6 s.h.

- ENGL 3880 - Writing for Business and Industry
- MATH 2283 - Statistics for Business (Note: Can be used to meet the General Education Elective requirement)

3. Business core - 36 s.h.

- ACCT 2401 - Financial Accounting
- ACCT 2521 - Managerial Accounting
- FINA 2244 - Legal Environment of Business
- FINA 3724 - Financial Management
- MGMT 3302 - Management of Organizations
- MGMT 4842 - Strategic Management
- MIS 2223 - Introduction to Computers
- MIS 3063 - Introduction to Management Information Systems
- MKTG 3832 - Marketing Management
- OMGT 3123 - Operations and Supply Chain Management
- OMGT 3223 - Business Decision Modeling

Choose one international perspectives course from:

- ACCT 4451 - International Accounting
- FINA 4454 - International Finance
- MGMT 3352 - International Business
- MKTG 3852 - Cultural Environment of International Business
- MKTG 4992 - International Marketing

4. Concentrations - 18 s.h.

(Choose one.)
Marketing concentration:

- MKTG 3872 - Persuading Decision Makers
- MKTG 4562 - Marketing Strategy
- MKTG 4682 - Marketing Intelligence

Choose 9 s.h. of 4000-level MKTG electives, at least 3 s.h. of which must be from:

- MKTG 4532 - Business and Organizational Marketing
- MKTG 4732 - Consumer Behavior

Operations and supply chain management concentration:

- OMGT 4743 - Purchasing and Materials Management
- OMGT 4753 - Strategic Logistics Management
- OMGT 4763 - Strategic Supply Chain Management

Choose 3-6 s.h. from:

- OMGT 4493 - Quality Management
- OMGT 4733 - Project Management

Choose 3-6 (to total 18 s.h. for the concentration) from:

- MKTG 3872 - Persuading Decision Makers
- MKTG 4532 - Business and Organizational Marketing
- MKTG 4682 - Marketing Intelligence
- MKTG 4790 - Distribution Management
- OMGT 4383 - Supply Chain Systems

5. Leadership and professional development - 9 s.h.

- BUSI 1200 - Strategy First
- BUSI 2200 - Experiential Leadership: Teams in Action
- BUSI 3200 - Professional Development and Ethical Leadership
- BUSI 4200 - Leadership Capstone
- Leadership and Professional Development Portfolio must be completed prior to graduation.

6. Electives to complete requirements for graduation.
Nutrition and Dietetics, BS

Minimum degree requirement is **120 s.h.** of credit as follows:

1. Foundations curriculum requirements including those listed below - **42 s.h.  40 s.h.**

(For information about courses that carry foundations curriculum credit see *Liberal Arts Foundations Curriculum*)

- ANTH 1050 - Global Understanding or
- ANTH 2200 - Introduction to Cultural Anthropology

- CHEM 1150 - General Chemistry I
- CHEM 1151 - General Chemistry Laboratory I
- CHEM 1160 - General Chemistry II
- CHEM 1161 - General Chemistry Laboratory II

- COMM 2020 - Fundamentals of Speech Communication or
- COMM 2410 - Public Speaking

- MATH 1065 - College Algebra
- PSYC 1000 - Introductory Psychology
- SOCI 2110 - Introduction to Sociology

2. Core - **13 s.h.**

- NUTR 1010 - Cultural Foods
- NUTR 1300 - Orientation to Nutrition and Dietetics Profession
3. Cognates - 20-21 s.h.

- BIOL 1100 - Principles of Biology I
- BIOL 1101 - Principles of Biology Laboratory I
- BIOL 2110 - Fundamentals of Microbiology
- BIOL 2111 - Fundamentals of Microbiology Laboratory
- BIOL 2130 - Survey of Human Physiology and Anatomy
- BIOL 2131 - Survey of Human Physiology and Anatomy Laboratory
- CHEM 1161 - General Chemistry Laboratory II

- CHEM 2650 - Organic Chemistry for the Life Sciences and
- CHEM 2651 - Organic Chemistry Lab for the Life Sciences

- CHEM 2750 - Organic Chemistry I
- CHEM 2753 - Organic Chemistry Laboratory I

- Choose a 3 s.h. statistics course

4. Concentrations - 28-45 s.h.

Didactic program in dietetics concentration (45 s.h.)

Note: Must apply and be admitted to this concentration.
- NUTR 3330 - Financial Management in Dietetics
- NUTR 3500 - Nutrition Research Methodology
- NUTR 3535 - Nutrition Education and Counseling
- NUTR 4300 - Professional Preparation in Dietetics
- NUTR 4312 - Medical Nutrition Therapy I
- NUTR 4313 - Medical Nutrition Therapy II
- NUTR 4330 - Food Production Principles of Dietetics
- NUTR 4331 - Food Production in Dietetics Lab
- NUTR 4500 - Community Nutrition
- NUTR 4600 - Senior Seminar

Nutrition with science concentration (28 s.h.)

- HLTH 3010 - Health Problems I or
- HLTH 3050 - Public Health Systems and Policy

- NUTR 2330 - Food Science
- NUTR 3104 - Advanced Vitamins and Minerals
- NUTR 3105 - Nutritional Biochemistry and Metabolism
- NUTR 3311 - Life Cycle Nutrition
- NUTR 3330 - Financial Management in Dietetics
- NUTR 3500 - Nutrition Research Methodology
- NUTR 4700 - Nutrition and Disease
- NUTR 4901 - Topics in Nutrition

5. Electives to complete requirements for graduation.

Physics, BS

The bachelor of science in physics has two concentrations – professional and research. The professional concentration is for students interested in employment in technical fields, teaching physics and physical science in secondary schools, or in graduate study in health fields (e.g. dentistry, medicine, and physical therapy), business, engineering, environmental science, or
related technical fields, depending on elective choices. The research concentration is for students interested in graduate study in physics.

Minimum degree requirement is **120 s.h.** of credit as follows:

1. **Foundations curriculum including those listed below – 42 s.h.**

(For information about courses that carry foundations curriculum credit see Liberal Arts Foundations Curriculum.)

**Professional concentration:**

- CHEM 1150 - General Chemistry I
- CHEM 1151 - General Chemistry Laboratory I
- CHEM 1160 - General Chemistry II
- CHEM 1161 - General Chemistry Laboratory II
- MATH 1065 - College Algebra

**Research concentration:**

- CHEM 1150 - General Chemistry I
- CHEM 1151 - General Chemistry Laboratory I
- CHEM 1160 - General Chemistry II
- CHEM 1161 - General Chemistry Laboratory II
- MATH 1065 - College Algebra

2. **Concentrations - 28-40 s.h.**

(Choose one of the following areas of concentration.)

**Professional concentration (28 s.h.)**
- PHYS 1251 - General Physics Laboratory
- PHYS 1261 - General Physics Laboratory
- PHYS 2350 - University Physics
- PHYS 2360 - University Physics
- PHYS 3700 - Advanced Laboratory
- PHYS 3701 - Advanced Laboratory
- PHYS 4416 - Modern Physics I
- PHYS 4417 - Modern Physics II
- Choose 9 s.h. of electives

**Note:**

Electives can include PHYS courses above 2999 and/or CHEM 3950. A maximum of 3 s. h. of independent study courses (PHYS 3516, PHYS 3517, PHYS 3518, PHYS 3716, PHYS 3717, and PHYS 3718) can be used to fulfill the 9 s. h. of electives requirement.

**Research concentration (40 s.h.)**

- PHYS 1251 - General Physics Laboratory
- PHYS 1261 - General Physics Laboratory
- PHYS 2350 - University Physics
- PHYS 2360 - University Physics
- PHYS 3700 - Advanced Laboratory
- PHYS 3701 - Advanced Laboratory
- PHYS 4120 - Thermodynamics
- PHYS 4226 - Mechanics I
- PHYS 4326 - Electricity and Magnetism I
- PHYS 4410 - Quantum Physics
- PHYS 4416 - Modern Physics I
- PHYS 4417 - Modern Physics II
- PHYS 4560 - Mathematical Methods for Physics
- Choose 6 s.h. of PHYS electives above 2999

**Note:**

Note: Electives can include a maximum of 3 s. h. of independent study courses (PHYS 3516, PHYS 3517, PHYS 3518, PHYS 3716, PHYS 3717, and PHYS 3718).
3. Cognates – **18 19** s.h.

(Choose a set of cognates according to selected area of concentration.)

**Professional concentration (18 19 s.h.)**

- CHEM 1161 - General Chemistry Laboratory II
- MATH 1083 - Introduction to Functions
- MATH 2171 - Calculus I
- MATH 2172 - Calculus II
- MATH 2173 - Calculus III
- MATH 4331 - Introduction to Ordinary Differential Equations

**Research concentration (18 19 s.h.)**

- CHEM 1161 - General Chemistry Laboratory II
- MATH 1083 - Introduction to Functions
- MATH 2171 - Calculus I
- MATH 2172 - Calculus II
- MATH 2173 - Calculus III
- MATH 4331 - Introduction to Ordinary Differential Equations

**4. Electives to complete requirements for graduation.**

III.


ARTH 1905 - The Dimensions of Art
3 F, S FC:FA

**P:** Art major or consent of instructor. Various ways of perceiving, discussing, and analyzing works of art.

III.


**KINE 3400 - Sport Event Management**

3 S

10 hour practicum required. Weekend experience required. **P:** Health and human performance major or minor; or consent of instructor. Comprehensive sport event planning, implementation, and evaluation.

**KINE 4710 - Field Experience in Sports Studies I**

6 F, S, SS

Semester-long internship. Minimum of 240 contact hours at internship site. **P:** KINE 4701; consent of instructor. Supervised field experience to develop applied competence in exercise and sport leadership.

**KINE 4720 - Field Experience in Sports Studies II**

6 F, S, SS

Semester-long internship. Minimum of 240 contact hours at internship site. **P:** KINE 4710; consent of instructor. Supervised field experience to develop applied competence in exercise and sport leadership.


**Courses**

**Kinesiology**

- KINE 3000 - Curriculum in Physical Education
- KINE 3278 - Skin and Scuba Diving Leadership
- KINE 3300 - Applied Sports Psychology
- KINE 3301 - Physical Education and Sport in Modern Society
- KINE 3400 - Sport Event Management
- KINE 3500 - Secondary Content in Physical Education
• KINE 3540 - Fitness Education
• KINE 3545 - Practices and Procedures in Physical Education for Elementary Schools
• KINE 3600 - Coaching Theories
• KINE 3700 - Essentials of Strength and Conditioning
• KINE 3800 - Measurement of Physical Activity and Fitness
• KINE 3801 - Measurement of Physical Activity and Fitness Laboratory
• KINE 3802 - Obesity Prevention and Treatment
• KINE 3803 - Physical Activity and Cancer
• KINE 3805 - Physiology of Exercise
• KINE 3806 - Physiology of Exercise Laboratory
• KINE 3850 - Introduction to Biomechanics
• KINE 3880 - Personal Fitness Training
• KINE 3881 - Personal Fitness Training Laboratory
• KINE 3900 - Elementary School Instruction in Physical Education
• KINE 3906 - Physical Education for Special Populations
• KINE 3910 - Diversity Issues in Teaching Physical Education
• KINE 4001 - Special Topics in Exercise and Sport Science
• KINE 4002 - Special Topics in Exercise and Sport Science
• KINE 4003 - Special Topics in Exercise and Sport Science
• KINE 4020 - Exercise Adherence
• KINE 4030 - Physical Activity and Aging
• KINE 4115 - Physical Activity and Public Health
• KINE 4278 - Scuba Diving Instructor Training Course
• KINE 4300 - Program Development and Management in Physical Education and Sports
• KINE 4301 - Comparative Sport and Physical Education: International Aspects
• KINE 4323 - Middle and High School Instruction in Physical Education
• KINE 4324 - Internship in Exercise and Sport Science
• KINE 4325 - Internship Seminar: Issues in Physical Education
• KINE 4333 - Sport and Fitness Marketing
• KINE 4400 - Creating Positive Learning Environments in Physical Education
• KINE 4500 - Independent Study in EXSS
• KINE 4501 - Independent Study in KINE
• KINE 4502 - Independent Study in KINE
• KINE 4700 - Internship in Sports Studies
• KINE 4701 - Pre-internship Seminar for Sports Studies
• KINE 4710 - Field Experience in Sports Studies I
• KINE 4720 - Field Experience in Sports Studies II
• KINE 4800 - Internship in Health Fitness
• KINE 4801 - Pre-internship Seminar for Health Fitness Specialist
• KINE 4804 - Measurement and Evaluation in Exercise and Sport Science
Sports Studies, BS

The program provides the competencies and knowledge for students to pursue a variety of sport-related careers. A minimum cumulative 2.0 GPA and 32 s.h. of foundations curriculum coursework are required for admission to the program. A minimum grade of C- (1.7) is needed in all required EXSS courses for successful completion of the degree. The degree requires the student to declare an approved minor.

Minimum degree requirement is **121 s.h.** as follows:
1. Foundations curriculum requirements including those listed below - 42 s.h.

(For information about courses that carry foundations curriculum credit see Liberal Arts Foundations Curriculum)

- BIOL 1050 - General Biology
- BIOL 1051 - General Biology Laboratory
  or
- BIOL 1150 - Principles of Biology: A Human Approach
- BIOL 1151 - Principles of Biology: A Human Approach Discussion

- COMM 2020 - Fundamentals of Speech Communication or
- COMM 2410 - Public Speaking

- MATH 1065 - College Algebra or
- MATH 1066 - Applied Mathematics for Decision Making

- PHIL 1110 - Introduction to Philosophy or
- PHIL 1175 - Introduction to Ethics or
- PHIL 1176 - Introduction to Social and Political Philosophy or
- PHIL 1180 - Introduction to Critical Reasoning or
- PHIL 2274 - Business Ethics

- PHYS 1250 - General Physics
- PHYS 1251 - General Physics Laboratory
- PSYC 1000 - Introductory Psychology
- RCLS 2601 - Leisure in Society

2. Core - 44 s.h.

- KINE 2000 - Introductory Exercise and Sport Science
- KINE 2202 - Motor Learning and Performance
- KINE 2850 - Structural Kinesiology
- KINE 3300 - Applied Sports Psychology
- KINE 3301 - Physical Education and Sport in Modern Society
- KINE 3400 - Sport Event Management
- KINE 3600 - Coaching Theories
- KINE 3805 - Physiology of Exercise
- KINE 3850 - Introduction to Biomechanics
- KINE 4300 - Program Development and Management in Physical Education and Sports
- KINE 4301 - Comparative Sport and Physical Education: International Aspects
- KINE 4333 - Sport and Fitness Marketing

- KINE 4700 - Internship in Sports Studies
  or
- KINE 4710 - Field Experience in Sport Studies I and
- KINE 4720 - Field Experience in Sport Studies II
3. Cognates - 10 s.h.

- **BIOL 2130 - Survey of Human Physiology and Anatomy**
- **BITE 2112 - Introduction to Information Processing Technology** or
- **KINE 2050 - Computer Applications in Exercise and Sport Science** or
- **KINE 4003 - Special Topics in Exercise and Sport Science** or
- **MIS 2223 - Introduction to Computers**

- **COMM 3520 - Sports Media Survey** or
- **KINE 4003 - Special Topics in Exercise and Sport Science**

4. Approved minor - 18 s.h.

5. General electives to complete requirements for graduation.

http://catalog.ecu.edu/preview_program.php?catoid=10&poid=2408

**Sports Studies Minor**

Minimum requirement for sports studies minor is **24 s.h.** of credit as follows:
1. Core - 21 s.h.

- KINE 2000 - Introductory Exercise and Sport Science
- KINE 3300 - Applied Sports Psychology
- KINE 3301 - Physical Education and Sport in Modern Society
- KINE 3400 - Sport Event Management
- KINE 3600 - Coaching Theories
- KINE 4300 - Program Development and Management in Physical Education and Sports
- KINE 4301 - Comparative Sport and Physical Education: International Aspects
- KINE 4333 - Sport and Fitness Marketing

2. Cognates - 3 s.h.

(Choose 3 s.h. from the below courses.)

- COMM 3520 - Sports Media Survey
- HIST 2444 - The History of Sports in Western Society
- PHIL 2280 - Introduction to Philosophy of Sport
- RCLS 2601 - Leisure in Society

http://catalog.ecu.edu/preview_entity.php?catoid=8&ent_oid=673&returnto=523

Department of Geography, Planning, and Environment

Burrell Montz, Chair, A-227 Brewster Building

Programs

Bachelor’s

- Applied Atmospheric Science, BS
- Applied Geography, BS
- Geographic Information Science and Technology, BS
- Geography, BA
- Urban and Regional Planning, BS

**Minor**

- Atmospheric Science Minor
- Geography Minor
- Planning Minor

**Certificate**

- Atmospheric Science Certificate
- Geographic Information Science Certificate

**Atmospheric Science Certificate**

The certificate requires a minimum of 16 s.h. as follows:

http://catalog.ecu.edu/preview_program.php?catoid=8&poid=1771
1. Core – 13 s.h.

- GEOG 1300 – Weather and Climate
- GEOG 2510 – Physical Meteorology
- GEOG 3230 – Global Climates
- GEOG 4510 – Meteorological Instruments and Observations

2. Electives – 3 s.h.

- EHST 3600 – Air Pollution
- GEOG 3250 – Environmental Hazards
- GEOG 4210 – Fluvial and Hydrological Processes
- GEOG 4530 – Micrometeorology
- GEOG 4540 – Coastal Storms
- GEOG 4560 – Urban Climatology
- GEOG 4570 – Hydrometeorology
- GEOG 4580 – Radar and Satellite Meteorology
- GEOG 4590 – Tropical Meteorology
Programs

Bachelor’s

- Applied Atmospheric Science, BS
- Applied Geography, BS
- Geographic Information Science and Technology, BS
- Geography, BA
- Urban and Regional Planning, BS

Minor

- Atmospheric Science Minor
- Geography Minor
- Planning Minor

Certificate

- Atmospheric Science Certificate
- Geographic Information Science Certificate

http://catalog.ecu.edu/preview_program.php?catoid=8&poid=1771

Atmospheric Science Certificate

The certificate requires a minimum of 16 s.h. as follows:
VI.

**Atmospheric Science Minor**

The minor in atmospheric science offers a general competence in weather and climate, to complement a major in related fields such as geography, geology, engineering, as well as the social and biological sciences. Students have the option to pursue elective courses in weather phenomena, remote sensing, climate, weather hazards, and related topics. There is no formal calculus or physics requirement for the minor.

The atmospheric science minor requires **19 s. h.** of credit as follows:
1. Core - 7 s.h.

- ATMO 1300 - Weather and Climate or
- GEOG 1300 - Weather and Climate

- ATMO 2510 - Physical Meteorology or
- GEOG 2510 - Physical Meteorology

2. Electives - 12 s.h.

(Choose from the following courses.)

- ATMO 3230 - Global Climates or
- GEOG 3230 - Global Climate

- ATMO 3520 - Dynamic Meteorology
- ATMO 3550 - Principles of Synoptic Meteorology

- ATMO 4510 - Meteorological Instruments and Observations or
- GEOG 4510 - Meteorological Instruments and Observations

- ATMO 4520 - Boundary Layer Meteorology
- ATMO 4525 - Dynamic Meteorology II

- ATMO 4530 - Micrometeorology or
- GEOG 4530 - Micrometeorology

- ATMO 4540 - Coastal Storms or
- GEOG 4540 - Coastal Storms

- ATMO 4550 - Applied Synoptic Meteorology: Analysis and Forecasting

- ATMO 4580 - Radar and Satellite Meteorology or
- GEOG 4580 - Radar and Satellite Meteorology

- ATMO 4590 - Tropical Meteorology or
- GEOG 4590 - Tropical Meteorology

- GEOG 2350 - Climate Change: Science and Society
Atmospheric Science Minor

The minor in atmospheric science offers a general competence in weather and climate, to complement a major in related fields such as geography, geology, engineering, as well as the social and biological sciences. Students have the option to pursue elective courses in weather phenomena, remote sensing, climate, weather hazards, and related topics. There is no formal calculus or physics requirement for the minor.

The atmospheric science minor requires 19 s. h. of credit as follows:

1. Core - 7 s.h.

- ATMO 1300 - Weather and Climate or
- GEOG 1300 - Weather and Climate
- ATMO 2510 - Physical Meteorology or
- GEOG 2510 - Physical Meteorology

2. Electives - 12 s.h.

(Choose from the following courses.)

- ATMO 3230 - Global Climates or
- GEOG 3230 - Global Climate
- ATMO 3520 - Dynamic Meteorology
- ATMO 3550 - Principles of Synoptic Meteorology
- ATMO 4510 - Meteorological Instruments and Observations or
  GEOG 4510 - Meteorological Instruments and Observations
- ATMO 4520 - Boundary Layer Meteorology
- ATMO 4525 - Dynamic Meteorology II
- ATMO 4530 - Micrometeorology or
- GEOG 4530 - Micrometeorology

- ATMO 4540 - Coastal Storms or
- GEOG 4540 - Coastal Storms

- ATMO 4550 - Applied Synoptic Meteorology: Analysis and Forecasting

- ATMO 4580 - Radar and Satellite Meteorology or
- GEOG 4580 - Radar and Satellite Meteorology

- ATMO 4590 - Tropical Meteorology or
- GEOG 4590 - Tropical Meteorology

- GEOG 2350 - Climate Change: Science and Society
- GEOG 3250 - Environmental Hazards