

Provost Approved 3/10/2020

MINUTES OF THE MEETING
OF THE UNDERGRADUATE ACADEMIC POLICIES AND PROCEDURES COMMITTEE
February 5, 2020

The Undergraduate AP&P Committee met on Wednesday, February 5, 2020 at 3:00 p.m. in the William C. Strickland Conference Room of I.G. Greer Hall.

Committee members present: Dr. Jon Beebe, Dr. Shanan Fitts, Dr. Christina Hayes, Dr. Jeff Hirst, Dr. Joe Klein, Dr. Steve Leon, Dr. Ellen Cowan, Dr. Courtney McGahee, Mr. Jason Miller, Dr. Tanga Mohr, Dr. Shannon Shanely, Dr. Teressa Sumrall, Mr. John Wiswell, Mr. Michael Davis

Committee members excused:

Committee members not excused: Dr. C. A. Debelius, Dr. Lisa Poling

At 3:00 p.m., Dr. Tanga Mohr noted the quorum was met and she called the meeting to order.

Approval of Minutes

December 4, 2019

VOTE 1 - To approve the minutes from December 4, 2019 - APPROVED

Subcommittee

Announcements/FIOs

- FIO - Semester Offerings Changes - See list at the end of the minutes
- "For Information Only" memo/list of items approved by the General Education Council on January 24, 2020. The memo of actions is at the end of the minutes.
- Withdrawal Policy Change - Changes in the withdrawal policy were necessary to ensure a fair and equitable process for all students regardless of their reason for withdrawing and to provide consistency and one place for students to submit withdrawal requests. The revised policy takes effect immediately. The revised policy is at the end of the minutes.

Unfinished Business

U_HS_SW_2019_8 from the January 15, 2020 meeting should have gone to Honors Council for approval before being voted on by UAP&P. This proposal will be voted on by Honors Council on February 5, 2020. Denise Levy submitted a document on AsULearn and to Honors Council with revised text of the Honors Program in Social Work section from the Undergraduate Bulletin. The attachment was correct in the January 15, 2020 minutes.

New Business

ORDER OF PRESENTATION (Total 47)

College of Arts and Sciences (31)

Reich College of Education (11)

College of Fine & Applied Arts (5)

Dr. Dru Henson presented proposals (31) from the College of Arts and Sciences for the Department of Anthropology, Department of Biology, and Department of Computer Science.

The Proposals (27) from the Department of Anthropology were approved as follows: (Effective: Fall 2020)

U_CAS_ANT_2019_01 Change the course description of **ANT 2230 - Biological Anthropology (3)** to read as follows:

ANT 2230. Biological Anthropology (3)

When Offered: Fall; Spring

Biological anthropology is the study of human and non-human primate origins, evolution, and biology within an evolutionary and bio-cultural framework. Topics include evolutionary theory and heredity; the evolution, anatomy, and lifestyles of living and fossil primates; a bio-cultural framework for understanding human evolution; the hominin fossil record; adaptive challenges of the past 10,000 years (sedentism, urbanism, food production, culture contact, health changes); modern human variation; and the use of human skeletal biology to address medico-legal questions. This course may include work with human skeletal remains.

Nothing affected

U_CAS_ANT_2019_03

Add a repeat statement to **ANT 3120 - Field Archaeology (3-6)** to read as follows:

May be repeated for credit up to 9 hours when content is not duplicated.

Nothing affected

U_CAS_ANT_2019_04

Add a prerequisite statement to **ANT 3630 - Epistemology and Praxis (3)** to read as follows:

Prerequisite or corequisite: R C 2001 or its equivalent.

Nothing affected

U_CAS_ANT_2019_05

Change the semester offering and add a prerequisite statement to **ANT 3635 - Political anthropology (3)** to read as follows:

When Offered: On Demand

Prerequisite or corequisite: R C 2001 or its equivalent.

Nothing affected

U_CAS_ANT_2019_06

Add a prerequisite statement to **ANT 3645 - Anthropology of Violence (3)** to read as follows:

Prerequisite or corequisite: R C 2001 or its equivalent.

Nothing affected

U_CAS_ANT_2019_07

Change the course description and add a prerequisite statement to **ANT 3660 - Medical Anthropology (3)** to read as follows:

ANT 3660 - Medical Anthropology (3)

When Offered: Fall

Gen Ed: Junior Writing in the Discipline (WID)

In their examination of the diversity of healing practices found across all human societies, anthropologists have offered unique perspectives on what constitutes health and illness. This class will survey important scholarly trends in the field of medical anthropology. Some of the key topics will include the cultural dimensions of the experience of illness, critical studies of the scientific and technological foundations of modern biomedicine, and ethnographic research on the challenges confronting traditional healing practices in a globalizing world.

Prerequisite or corequisite: R C 2001 or its equivalent.

Nothing affected

U_CAS_ANT_2019_08 Course Deletion:
ANT 1510 - Freshman Honors Colloquium (3).

Nothing affected

U_CAS_ANT_2019_09 Course Deletion:
ANT 2510 - Sophomore Honors Colloquium (3).

Nothing affected

U_CAS_ANT_2019_10 Course Deletion:
ANT 3510 - Juniors Honors Colloquium (3).

Change the Bulletin text for the Honors Program in Anthropology section on the Department of Anthropology page to read as follows:
The Department of Anthropology offers honors courses at all levels. Honors sections in most courses are made available on request or by contract. Students who successfully complete six hours of honors courses and have earned at least a 3.45 GPA in anthropology are eligible to take ANT 4510, Senior Honors Thesis. Students who complete nine hours of honors work, including ANT 4510, will graduate with “honors in anthropology.” Students must earn a minimum grade of “B” (3.0) on all honors coursework taken to fulfill any honors requirements.

Nothing affected

U_CAS_ANT_2019_11 Course Deletion:
ANT 3810 - Engaging Anthropology (3).

POS affected: 202E (deleted in U_CAS_ANT_2019_35)

U_CAS_ANT_2019_18 Change the prerequisite statement of **ANT 3250 - Archaeological Lab Methods (3)** to read as follows:
Prerequisite: ANT 2221 or permission of the instructor. Demonstrated Readiness for College-level Math.

Nothing affected

U_CAS_ANT_2019_19 Add a prerequisite statement of **ANT 3260 - Microscopy in Archaeology (3)**.
Prerequisite: ANT 2221 or permission of the instructor. Demonstrated Readiness for College-level Math.

Nothing affected

U_CAS_ANT_2019_20 Add a prerequisite statement to **ANT 3270 - Archaeology of the Native South (3)** to read as follows:
Prerequisite: ANT 2221 or permission of the instructor.

Nothing affected

U_CAS_ANT_2019_21 Add a prerequisite statement to **ANT 3275 - Globalization and Heritage in Africa (3)** to read as follows:
Prerequisite: ANT 2221 or permission of the instructor.

Nothing affected

U_CAS_ANT_2019_22 Change the prerequisite statement of **ANT 3555 - Ceramics for the Archaeologist (3)** to read as follows:
Prerequisite: ANT 2221 or permission of the instructor.

Nothing affected

U_CAS_ANT_2019_23 Change the prerequisite statement of **ANT 4400 - Paleolithic Archaeology (3)** to read as follows:
Corequisites: ANT 2215, ANT 2230 or permission of the instructor.
Prerequisites: ANT 2221, ANT 3600 or permission of the instructor.

Nothing affected

U_CAS_ANT_2019_24 Change the prerequisite statement of **ANT 4440 - Experimental Archaeology (3)** to read as follows:
Corequisites: ANT 2215, ANT 2230 or permission of the instructor.
Prerequisites: ANT 2221, ANT 3600 or permission of the instructor.

Nothing affected

U_CAS_ANT_2019_25 Change the prerequisite statement of **ANT 4450 - Paleolithic Cave Art (3)** to read as follows:
Corequisites: ANT 2215, ANT 2230 or permission of the instructor.
Prerequisites: ANT 2221, ANT 3600 or permission of the instructor.

Nothing affected

U_CAS_ANT_2019_26 Change the course description and prerequisite statement of **ANT 4460 - Landscape Archaeology (3)** to read as follows:
ANT 4460 - Landscape Archaeology (3)
When Offered: Spring
Archaeologists are uniquely positioned to examine the relationships between people, places, and the past. This course explores the deep histories of economic, socio-political, and ritual landscapes, and introduces the tools that archaeologists use to study them. The landscape of the indigenous Americas provides focal case studies, while theoretical frameworks will draw upon worldwide archaeological literature.
Students who have previously received credit for ANT 4461 may not enroll in or receive credit for ANT 4460.
Corequisites: ANT 2215, ANT 2230 or permission of the instructor.
Prerequisites: ANT 2221, ANT 3600 or permission of the instructor.

Nothing affected

U_CAS_ANT_2019_27 Change the prerequisite statement for **ANT 4470 - Cultural Artifacts (3)** to read as follows:
Corequisites: ANT 2215, ANT 2230 or permission of the instructor.
Prerequisites: ANT 2221, ANT 3600 or permission of the instructor.

Nothing affected

U_CAS_ANT_2019_28 Add a prerequisite statement to **ANT 3410 - Ethnographic Methods (3)** to

read as follows:

Prerequisite: ANT 2215 or permission of the instructor.

Nothing affected

U_CAS_ANT_2019_29

Course Addition:

ANT 4361 - Capstone: Primate Conservation (3)

When Offered: Spring, Odd-numbered years

GEN ED: Capstone Experience

An overview of the effects of human activities on wild nonhuman primate populations, including critical analysis of strategies being employed to ensure the persistence of wild primates in their natural habitats. Students will be introduced to fundamental principles and practices in conservation biology using primate case studies. Specific topics include setting conservation priorities, the roles of in situ and ex situ conservation, human-wildlife conflict, genetic issues and population management, the roles of local, national, and international stakeholders in both creating and ameliorating threats to the persistence of wild primates, and the potential impacts of conservation programs on diverse human communities living in habitat countries.

Students who have previously received credit for ANT 4360 may not enroll in or receive credit for ANT 4361.

Prerequisites: Senior standing, ANT 2215, ANT 2221, ANT 2230, and ANT 3220.

Schedule type: Seminar

U_CAS_ANT_2019_31

Course Addition:

ANT 2550 - Anthropology Professionalization (1)

When Offered: Fall

The purpose of this one credit hour course is to provide students with a glimpse into the “professionalization” side of anthropology which will help a young scholar to negotiate the oft-required but rarely illuminated roads that will emerge after graduation. Topics include (but are not limited to) how to present oneself on paper, online, and at conferences; how to apply for jobs; how to construct a CV/resume; how to apply to graduate programs; and how to address the various challenges that a new graduate might face.

Schedule type: Lecture

U_CAS_ANT_2019_32

Revise the program of study for the Bachelor of Science in Anthropology (201A/45.0201). The revised program of study is at the end of the minutes.

U_CAS_ANT_2019_33

Add a concentration Multidisciplinary (201E) to the Bachelor of Science in Anthropology (201*/45.0201). The new program of study is at the end of the minutes.

U_CAS_ANT_2019_34

Add a Bachelor of Arts in Anthropology with no concentration (202A/45.0201). The program (202*) already exist. The new program of study is at the end of the minutes.

U_CAS_ANT_2019_35

Delete the following programs of study:

Bachelor of Arts in Anthropology with a concentration in Social Practice and Sustainability (202E/45.0201)

Bachelor of Arts in Anthropology with a concentration in Sociocultural

Anthropology (202F/45.0201)

Bachelor of Science in Anthropology with a concentration in Biological

Anthropology (201C/45.0201)

Bachelor of Science in Anthropology with a concentration in Archaeology
(201D/45.0201)

VOTE 2 - To approve the proposals from the Department of Anthropology - APPROVED

The proposals (3) from the Department of Biology were approved as follows: (Effective: Fall 2020)

U_CAS_BIO_2019_01

Course Addition:

BIO 4530-4549 - Selected Topics (1-4)

When Offered: On Demand

An opportunity to study a special topic or combination of topics not otherwise provided for in the Biology curriculum. May be repeated for credit when content does not duplicate.

Schedule type: Lecture

U_CAS_BIO_2019_02

Change the prerequisite statement of **BIO 3800 - Molecular Biology (4)** to read as follows:

Prerequisites: BIO 1801 for non-Biology majors, BIO 1802 for Biology majors; one semester of organic chemistry (CHE 2101 or CHE 2201); BIO 2400 or BIO 2700; and RC 2001 or its equivalent. Demonstrated Readiness for College-level Math.

POS affected: 142B

GU_CAS_BIO_2019_03

Course Addition: (dual-listed)

BIO 4582/BIO 5582 - The Biology of Cancer (3)

When Offered: Spring

The Biology of Cancer is an interdisciplinary discussion of the biography of cancer through lecture and primary literature analysis, with particular focus on the molecular pathogenesis of the disease. Specific topics include tumor viruses, oncogene and tumor suppressor signaling, genomic instability, cancer stem cells, tumor metabolism, the tumor microenvironment, angiogenesis, metastasis, tumor immunology, and therapeutic applications.

Prerequisites: BIO 2600, BIO 3800. [Dual-listed with BIO 5582.] Dual-listed courses require senior standing; juniors may enroll with permission of the department.

Schedule type: Lecture

VOTE 3 - To approve the proposals from the Department of Biology - APPROVED

The proposal (1) from the Department of Computer Science was approved as follows: (Effective: Fall 2020)

U_CAS_CS_2019_09

Revise the program of study for the undergraduate certificate in Data Science (614A/11.0701). The revised program of study is at the end of the minutes.

VOTE 4 - To approve the proposal from the Department of Computer Science - PASSED

Dr. Denisse Brewer presented proposals (11) from the Reich College of Education for the Department of Curriculum and Instruction, College of Education, Family and Child Studies, and Department of Reading Education and Special Education.

The proposals (4) from the Department of Curriculum and Instruction were approved as follows: (Effective: Fall 2020)

- U_COE_CI_2019_2 Add a second academic concentration Environmental Literacy: Education for Sustainability (ELS/13.1338). The new program of study is at the end of the minutes.
- U_COE_CI_2019_3 Revise the program of study for the Bachelor of Science in Elementary Education (441A/13.1202). The revised program of study is at the end of the minutes.
- U_COE_CI_2019_4 Revise the program of study for the Bachelor of Science in Career and Technical Education - Agriculture Education (456H/13.1299). The revised program of study is at the end of the minutes.
- U_COE_CI_2019_6 Revise the program of study for the second academic concentration Computer Information Systems (CIS/52.1201). The revised program of study is at the end of the minutes.

VOTE 5 - To approve the proposals from the Department of Curriculum and Instruction - PASSED

The proposal (1) from the College of Education was approved as follows: (Effective: Fall 2020)

- U_COE_2019_1 Change the Undergraduate Bulletin section Admission to Undergraduate Teacher Education. The Bulletin text is at the end of the minutes.

VOTE 6 - To approve the proposal from the College of Education - PASSED

The proposals (3) from the Department of Family and Child Studies were approved as follows: (Effective: Fall 2020)

- U_COE_FCS_2019_1 Revise the program of study for the Bachelor of Science in Child Development with a concentration in Family and Child Studies (510H/19.0706). The revised program of study is at the end of the minutes.
- U_COE_FCS_2019_3 Change the title and course description of **FCS 3102 - Family, Child and Professional Interactions: A Focus on Young Children (3)** to read as follows:
FCS 3102 - Developing Inclusive Partnerships in Early Care Settings (3)
When Offered: Fall
This course takes a family development approach to parent, child and professional interactions with a specific focus on communication patterns and family structure. In this course, we will explore principles for building partnerships with diverse families, communities, and professionals. Students will study theory and evaluate strategies to promote positive engagement with parents and professionals. The course offers in depth analysis of how a variety of factors, including but not limited to culture and economic status, impact family interaction with professionals in early education settings. Further, emphasis will be directed toward normative and catastrophic family issues.
Prerequisites: FCS 2101 or FCS 2104.

Nothing affected

U_COE_FCS_2019_4

Change the course description of **FCS 4553 - Leadership in Advocacy, Administration, and Collaboration (3)** to read as follows:
FCS 4553 - Leadership in Advocacy, Administration, and Collaboration (3)
When Offered: Spring
This course emphasizes the foundations of collaboration, leadership, and advocacy. The active learning design of the course focuses on preparing early educators to: (a) participate fully in interdisciplinary and transdisciplinary early childhood regular and special education teams, (b) advocate for children and families, (c) apply culturally competent strategies in working with diverse populations, and (d) collaborate across agencies working with young children and their families. The discussions and assignments are designed to help students identify their personal communication style, leadership skills, and advocacy interests.

Nothing affected

VOTE 7 - To approve the proposals from the Department of Family and Child Studies - PASSED

The proposals (3) from the Department of Reading Education and Special Education were approved as follows: (Effective: Fall 2020)

GU_COE_RESE_SPE_2019_12

Remove the dual-listing of **SPE 4205/SPE 5205 - Inclusion (3)**. Also change the semester offering and course description of SPE 4205 to read as follows:
SPE 4205 - Inclusion (3)
When Offered: Fall
This course examines inclusion as it relates to students with disabilities in K-12 schools. Current issues, collaborative relationships, and effective instructional practices for all students will be discussed.

Nothing affected

U_COE_RESE_SPE_2019_2

Add a prerequisite statement to **SPE 4420 - Methods for Students with Disabilities: Adapted Curriculum (3)** to read as follows:
Prerequisite: SPE 4410, and admission to teacher education.

Nothing affected

U_COE_RESE_SPE_2019_3

Add a prerequisite statement to **SPE 4705 - Methods for Students with Disabilities: General Curriculum (3)** to read as follows:
Prerequisite: SPE 4405, and admission to teacher education.

Nothing affected

VOTE 8 - To approve the proposals from the Department of Reading Education and Special Education - PASSED

Mr. Jason Miller presented proposals (5) from the College of Fine and Applied Arts for the Department of Sustainable Technology and the Built Environment

The proposals (5) from the Department of Sustainable Technology and the Built Environment were

approved as follows: (Effective: Fall 2020)

- U_FAA_STBE_2019_13 Revise the program of study for the Bachelor of Science in Sustainable Technology (571A/15.0507). The revised program of study is at the end of the minutes.
- U_FAA_STBE_2019_14 Revise the program of study for the undergraduate minor in Sustainable Technology (593/15.0507). The revised program of study is at the end of the minutes.
- U_FAA_STBE_2019_15 Revise the program of study for the Bachelor of Science in Building Science with a concentration in Architectural Technology and design (577B/52.2001). The revised program of study is at the end of the minutes.
- U_FAA_STBE_2019_16 Revise the program of study for the Bachelor of Science in Building Science with a concentration in Construction Management (577C/52.2001). The revised program of study is at the end of the minutes.
- U_FAA_STBE_2019_17 Revise the program of study for the Bachelor of Science in Building Science with a concentration in Sustainable Building Systems (577D/52.2001). The revised program of study is at the end of the minutes.

VOTE 9 - To approve the proposals from the Department of Sustainable Technology and the Build Environment - PASSED

Other

Adjournment

VOTE 11 - To approve the motion to adjourn - PASSED

UNDERGRADUATE ACADEMIC POLICIES AND PROCEDURES COMMITTEE
February 5, 2020
 Unofficial Vote Record

| Committee Members | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 |
|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|
| Jon Beebe | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | | | |
| C. A. Debelius | - | - | - | - | - | - | - | - | - | - | | | |
| Shanan Fitts | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | | | |
| Christina Hayes | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | | | |
| Jeff Hirst | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | | | |
| Joe Klein | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | | | |
| Steve Leon | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | | | |
| Ellen Cowan (sub Levine) | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | | | |
| Courtney McGahee | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | | | |
| Jason Miller | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | | | |
| Tanga Mohr | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | | | |
| Lisa Poling | - | - | - | - | - | - | - | - | - | - | | | |
| Shannon Shanely | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | | | |
| Teressa Sumrall | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | | | |
| John Wiswell | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | | | |
| Michael David | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | | | |
| SGA | | | | | | | | | | | | | |

The recommendations from the February 5, 2020 Undergraduate Academic Policies and Procedures Committee meeting are approved.

Heather Norris

Heather Hulburt Norris

Interim Provost and Executive Vice Chancellor

3/10/2020

Date

Semester Offering Changes

THR 4850 changed from Spring to Fall
ARH 3900 changed from Fall; Spring to On Demand
ART 1004 changed from Fall; Spring to On Demand
ART 1005 changed from Fall; Spring to On Demand
ART 2222 changed from Fall to Fall; Spring
ART 2601 changed from Fall to On Demand
ART 3009 changed from Fall to Fall, Even-numbered years
ART 3017 changed from Fall; Spring to Spring
ART 3022 changed from Fall to Fall; Spring
ART 3050 changed from Fall; Spring to On Demand
ART 3109 changed from Spring to Spring, Even-numbered years
ART 3110 changed from Spring to Spring, Odd-numbered years
ART 3111 changed from Fall to Fall, Odd-numbered years
ART 3200 changed from Fall; Spring to On Demand
ART 3201 changed from Spring to On Demand
ART 3420 changed from Fall; Spring to On Demand
ART 3500 changed from Fall; Spring to On Demand
ART 3520 changed from Fall; Spring to On Demand
ART 3521 changed from Fall; Spring to On Demand
ART 3522 changed from Fall; Spring to On Demand
ART 3900 changed from Fall; Spring to On Demand
ART 4515 changed from Fall; Spring to On Demand
ART 4900 changed from Summer Session to On Demand
GCM 3500 changed from Fall; Spring to On Demand
GCM 3622 changed from Fall; Spring to Fall
GCM 4591 changed from Fall; Spring to Spring
GCM 4622 changed from Fall; Spring to Fall
PHO 3332 changed from Fall; Spring to On Demand
PHO 3500 changed from Fall; Spring to On Demand
PHO 3520 changed from Fall; Spring to On Demand
PHO 4900 changed from Fall; Spring to On Demand
ENG 1510 changed from Fall; Spring to On Demand
ENG 2100 changed from Fall; Spring to On Demand
ENG 2175 changed from Fall; Spring to On Demand
ENG 2180 changed from On Demand to Fall; Spring
ENG 2190 changed from Fall; Spring to Fall
ENG 2430 changed from Fall to Fall; Spring
ENG 3661 changed from Fall; Spring to Spring
ENG 3663 changed from Spring to Fall
ENG 3710 changed from Fall to Fall; Spring
ENG 4300 changed from Spring to Fall; Spring

ENG 4820 changed from Fall to Fall, Odd-numbered years

ENG 4821 changed from Fall to Fall, Odd-numbered years

ENG 4880 changed from Fall to Spring

ENG 4881 changed from Fall to Spring

ENG 4898 changed from Spring, Alternate years to Spring, Even-numbered years

ENG 4899 changed from Spring, Alternate years to Spring, Even-numbered years

TO: AP&P
FROM: Ted Zerucha, Director, General Education
Date: January 27, 2020
RE: General Education Council actions January 24, 2020

The General Education Council met for its regularly scheduled meeting on January 24, 2020. All votes for course inclusion/deletion are effective Fall 2020. The following actions were taken:

ACTION ITEMS:

VOTE 1: YES: 13 NO: 0 ABSTAIN: 0 *Minutes approved as written.*
Minutes of November 22, 2019 meeting

VOTE 2: YES: 12 NO: 0 ABSTAIN: 1

Wellness Literacy:

- PE 1753, Stand Up Paddleboard Yoga
- PE 1855, Bowling

Wellness Literacy (DELETE credit):

- PE 1734, Intermediate Mountain Biking (course is being deleted from catalog)

VOTE 3: YES: 13 NO: 0 ABSTAIN: 0

Integrative Learning Experience

How We Tell Stories theme

- IDS 2211, Exploring the Documentary Form

VOTE 4: YES: 13 NO: 0 ABSTAIN: 0

Integrative Learning Experience

How We Tell Stories theme (DELETE credit)

- IDS 3210, Exploring the Documentary Form (course is being deleted from catalog and replaced by IDS 2211 and IDS 4211)

Revolutions: Social and Political theme (DELETE credit)

- IDS 3650, Marx's Capital (course is being deleted from catalog)

VOTE 5: YES: 11 NO: 1 ABSTAIN: 1

Liberal Studies Experience

- PHY 1600, Physics and Astronomy – New Ideas
-

VOTE 6: YES: 13 NO: 0 ABSTAIN: 0

Liberal Studies Experience (DELETE credit)

- IDS/WRC 2302, Freudian Dreams and Cultural Analysis (course is being deleted from catalog)
- WRC 2401, Disciplined Cultural Practice (course is being deleted from catalog)
- WRC 3402, The Art of Work (course is being deleted from catalog)
- REL 3120, African Thought (course is being deleted from catalog)

VOTE 7: YES: 12 NO: 0 ABSTAIN: 1

Fine Arts designation (DELETE credit)

- MUS 2613, Survey of Western Music (course not re-proposed for FA in 2016 re-proposal process)

VOTE 8: YES: 13 NO: 0 ABSTAIN: 0

Writing in the Discipline

- ANT 3630, Epistemology and Praxis
- ANT 3635, Political Anthropology
- ANT 3645, Anthropology of Violence
- ANT 3660, Medical Anthropology
- NUT 3120, Intermediate Nutrition

VOTE 9: YES: 13 NO: 0 ABSTAIN: 0

Senior Capstone

- ANT 4361, Capstone: Primate Conservation
- CJ 4901, Appalachian Police Development Program Internship
- CTE 4900, Internship in Workforce Leadership and Development
- FER 4900, Internship
- ES 4660, Exercise Prescription for Clinical Populations
- ES 4800, Exercise Prescription for Healthy Populations

VOTE 10: YES: 13 NO: 0 ABSTAIN: 0

Senior Capstone (DELETE credit)

- ENV 4510, Senior Honors Thesis (course being combined with GLY 4510 [not a Capstone] to become new course GES 4510)
- ES 4050, Practicum: Pre-professional

FIO ITEMS (effective Fall 2020):

- FER 4300, Sensory Analysis of Wine and Beer (Senior Capstone), change title to Sensory Analysis
- ENG 4826, Capstone in the Age of Chaucer, (Senior Capstone), change title to Capstone in Literature of the Middle Ages
- GLY 1010, General Geology Laboratory, (SCI The Blue Planet; SCI Global Environmental Change; SCI Life, Earth, and Evolution; and SCI Restless Planet), change course prefix and number to GES 1005
- GLY 1101, Introduction to Physical Geology (SCI Restless Planet), change course prefix to GES 1101
- GLY 1102, Introduction to Historical Geology (SCI Life, Earth, and Evolution and SCI Restless Planet), change course prefix to GES 1102
- GLY 1103, Environmental Change, Hazards, and Resources (SCI Global Environmental Change and SCI Restless Planet), change course prefix to GES 1103
- GLY 1104, Water: Mountains to Sea (SCI The Blue Planet and SCI Global

Environmental Change), change course prefix to GES 1104

- GLY 1105, Oceanography (SCI The Blue Planet), change course prefix to GES 1105
- GLY 1842, Dinosaurs: Then and Now (ILE How We Know What We Know About the Past), change course prefix to GES 1842
- GLY 2301, Energy Extraction in Appalachia (Past, Present, and Future) (ILE Appalachian Mountains), change course prefix to GES 2301
- GLY 2745, Preparation for Geological Science Careers (Writing in the Discipline), change course prefix to GES 2745
- GLY 4210, Geology Seminar (Senior Capstone), change course prefix to GES 4210
- ENV 3105, Preparation for Environmental Science Careers (Writing in the Discipline), change course prefix to GES 3105
- ENV 4105, Analysis and Implications of Environmental Issues (Senior Capstone), change course prefix to GES 4105
- WRC 2405, Living and Learning in Community: A Roadmap to Success (Liberal Studies Experience), change course title to Living and Learning in Community
- REL 2130, Islamic Religion and Culture (Liberal Studies Experience), change course title to Islam
- SOC 3885, Research Methods I (Writing in the Discipline), change course title to Research Methods
- SOC 3960, Sociological Theory II (Writing in the Discipline), change course title to Contemporary Sociological Theory
- SOC 4450, Senior Seminar (Senior Capstone), change course title to Senior Capstone
- ART 2420, The Child as Cultural Construct (Writing in the Discipline), change course number and title to ART 3333, Constructions of Childhood
- CSD 4850, Adult Language Disorders (Senior Capstone), change course title to Language and Cognitive Disorders in Adults

Withdrawal from the University

A student is allowed to officially withdraw from the University (i.e., cease enrollment in all courses) during the first nine weeks of a fall or spring semester and as noted on the academic calendar for summer terms. In order to officially withdraw, the student should use the **Withdraw from the University** online form available on the [Registrar's Office website](#). Information upon submission is forwarded to the Registrar's Office for withdrawal processing. A grade of "W" (Withdrawal) will be assigned to each course if the student withdraws during the first nine weeks of a fall or spring semester or as noted on the academic calendar for summer terms. The last day to withdraw from any semester/term is indicated on the official Academic Calendar published online.


Consistent with the University's Withdrawal Policy, students may make a request to withdraw late from all courses during an academic semester/term after the Last Day to Withdraw deadline as noted on the official Academic Calendar, or request a Retroactive Withdrawal after the completion of an academic semester/term, for extenuating circumstances. All requests will be reviewed by a Committee. Supporting documentation will be required. There is no guarantee that the withdrawal request will be approved. As a result, it is recommended that students continue to attend class, if at all possible, until they are informed of the Committee's decision but that decision to attend or not is the responsibility of the student.

- If the request for a late or retroactive withdrawal is approved, the student will receive a grade of "W" (Withdrawal) in each course for which she or he is enrolled.
- If the request for a late withdrawal is denied, the student will automatically be assigned grades of "WF" (Withdrawal/Failing) or "WU" (Withdrawal/Unsatisfactory) for each course in which she or he is enrolled in at the time of the withdrawal request. If the request for a retroactive withdrawal is denied, no adjustments will be made to the grades earned by the student for that semester.
- Regardless of the Committee's decision, should a student wish to return to the university in a later semester/term, they are required to reapply and complete any requirements for readmission by the stated deadlines.
- For more information and guidelines, visit the [Registrar's Office website](#).

A student who ceases to attend all classes prior to the end of an academic semester/term, and does not officially withdraw from the semester/term, will receive a "Failing" grade (F or U) in each enrolled course.

Please Note: All courses withdrawn, including those withdrawn for extenuating circumstances, after the initial add/drop period as noted on the academic calendar will count in attempted hours.

Anthropology, BS

 [Print this Page](#)

Program Code: 201A

CIP Code: 45.0201

Non-Teaching

General Education Requirements (44 Hours)

- [General Education Requirements](#)

Some general education requirements may be double-counted in the major with departmental approval. Please see your advisor for information.

Major Requirements (~~63-65~~49-52 Hours)

2.0 major GPA is required for graduation. Major GPA calculation will include all courses taken in the major discipline, plus any other courses under Major Requirements. Minimum of 18 semester hours of courses taken to fulfill major requirements must be courses offered by Appalachian.

Required Core Courses (~~9-10~~ Hours)

- [ANT 2215 - Cultural Anthropology \(3\)](#)
- [ANT 2221 - Archaeology \(3\)](#)
- [ANT 2230 - Biological Anthropology \(3\)](#)
- [ANT 2550 – Anthropology Professionalization \(1\)](#)

Methods Courses (Choose a Minimum of 3 Hours)

Choose one of the following:

- [ANT 3200 - Zooarchaeology \(3\) *](#)
- [ANT 3250 - Archaeological Laboratory Methods \(3\) *](#)
- [ANT 3260 – Microscopy in Archaeology \(3\)*](#)
- [ANT 3300 – Human Osteology \(3\)*](#)
- [ANT 3305 - Forensic Anthropology \(3\) *](#)
- [ANT 3320 – Primatological Field Methods \(3\) *](#)
- [ANT 3405 - Quantitative Methods in Anthropology \(3\) *](#)
- [ANT 3410 - Ethnographic Methods \(3\) *](#)
- [ANT 3940 - Ethnographic Field School \(2-6\)](#)
- [ANT 3530-3549 Selected Topics \(1-4\)* \(Only with approval from department\)](#)
- [ANT 4530-4549 Selected Topics \(\(1-4\)*Only with approval from department\)](#)

~~Theory and~~ Writing in the Discipline [WID] Courses (~~6-3~~ Hours)

Choose one WID course:

- [ANT 3220 - Human Biological Variation \(3\) \[~~WID~~\] *](#)
- [ANT 3600 - Archaeological Theory \(3\) \[~~WID~~\] *](#)
- [ANT 3625 - History of Anthropological Ideas \(3\) \[~~WID~~\] *](#)
- [ANT 3630 – Epistemology and Praxis \(3\)*](#)
- [ANT 3635 – Political Anthropology \(3\)*](#)
- [ANT 3645 - Anthropology of Violence \(3\)*](#)
- [ANT 3660 – Medical Anthropology \(3\)*](#)

~~Nine Semester Hours~~ Anthropology Electives (~~18~~24 hours)

(See Note)

- ~~3-6~~ hours at 2000 level
- ~~3-6~~ hours at 3000/4000 level
- ~~3-6~~ hours at 4000 level
- 6 hours at any level

Science and Technology Electives (6-8 hours)

At least 6 hours from the following disciplines at the 2000 level or higher: AST, BIO, CHE, GES, GHY, CS, CSD, ES, FER, MAT, PH, PHY, STT, TEC. Any course used to meet a General Education requirement may not be used to meet this requirement.

Senior Capstone (3-4 Hours)

(see Note)

Choose one: All are [CAP]

- ANT 4231 - Capstone: Magic and Modernity (3) *
- ANT 4241 - Capstone: Politics of Ethnicity (3) *
- ANT 4246 - Capstone: Hegemony and Power (3) *
- ANT 4251 - Capstone: Biology, Technology, and Culture (3) * *
- ANT 4256 - Capstone: Ethnobotany: Plants, People, and Culture (4) *
- ANT 4261 - Capstone: Anthropology of Development (3) *
- ANT 4266 - Capstone: Anthropology and Global Health (3) *
- ANT 4271 - Capstone: Arts of Resistance (3) *
- ANT 4276 - Capstone: Experimental Ethnography (3) *
- ANT 4281 - Capstone: Anthropology of the Body (3) *
- ANT 4321 - Capstone: Human Evolution (3) *
- ANT 4331 - Capstone: Bioarchaeology (3) *
- ANT 4351 - Capstone: Human Reproduction from an Evolutionary Perspective (3) *
- ANT 4361 – Capstone: Primate Conservation (3)*
- ANT 4371 - Capstone: Paleopathology (3) *
- ANT 4401 - Capstone: Paleolithic Archaeology (3) *
- ANT 4441 - Capstone: Experimental Archaeology (3) *
- ANT 4451 - Capstone: Paleolithic Cave Art (3) *
- ANT 4461 - Capstone: Landscape Archaeology (3) *
- ANT 4471 -Capstone: Cultural Artifacts (3)
- ANT 4611 - Capstone: Culture, Energy and Power (3) *
- ANT 4510 - Senior Honors Thesis (3) *

Note

*Minimum grade of "C-" (1.7) required.

Students may not enroll in a course as a capstone if they have already taken the parallel course (i.e.e.g., ANT 4250 for ANT 4251; ANT 4320 for ANT 4321; ANT 4330 for ANT 4331; or ANT 4350 for ANT 4351 etc.). Students should therefore consult with their advisors before selecting seminars and electives.

Choose 1 Additional Course

Could include another [WID] from above or one of the following

- ~~ANT 3350 – Primate Behavior and Ecology (3) *~~
- ~~ANT 3620 – Political Ecology and Sustainability (3) *~~
- ~~ANT 3630 – Epistemology and Praxis (3) *~~
- ~~ANT 3635 – Political Anthropology (3) *~~
- ~~ANT 3660 – Medical Anthropology (3) *~~
- ~~ANT 3680 – Environmental Anthropology (3) *~~

Senior Capstone (3-4 Hours)

(see Note)

Choose one: All are [CAP]

- ~~ANT 4231 – Capstone: Magic and Modernity (3) *~~
- ~~ANT 4241 – Capstone: Politics of Ethnicity (3) *~~
- ~~ANT 4246 – Capstone: Hegemony and Power (3) *~~
- ~~ANT 4251 – Capstone: Biology, Technology, and Culture (3) * *~~
- ~~ANT 4256 – Capstone: Ethnobotany: Plants, People, and Culture (4) *~~
- ~~ANT 4261 – Capstone: Anthropology of Development (3) *~~
- ~~ANT 4266 – Capstone: Anthropology and Global Health (3) *~~
- ~~ANT 4281 – Capstone: Anthropology of the Body (3) *~~
- ~~ANT 4321 – Capstone: Human Evolution (3) *~~
- ~~ANT 4331 – Capstone: Bioarchaeology (3) *~~
- ~~ANT 4351 – Capstone: Human Reproduction from an Evolutionary Perspective (3) *~~

- ~~ANT 4371 Capstone: Paleopathology (3) *~~
- ~~ANT 4401 Capstone: Paleolithic Archaeology (3) *~~
- ~~ANT 4441 Capstone: Experimental Archaeology (3) *~~
- ~~ANT 4451 Capstone: Paleolithic Cave Art (3) *~~
- ~~ANT 4461 Capstone: Landscape Archaeology (3) *~~
- ~~ANT 4611 Capstone: Culture, Energy and Power (3) *~~
- ~~ANT 4510 Senior Honors Thesis (3) *~~

Note

~~*Minimum grade of "C" (1.7) required.~~

~~Students may not enroll in a course as a capstone if they have already taken the parallel course (i.e., ANT 4250 for ANT 4251; ANT 4320 for ANT 4321; ANT 4330 for ANT 4331; or ANT 4350 for ANT 4351). Students should therefore consult with their advisors before selecting seminars and electives.~~

Concentration Requirements (30 Hours)

~~A minimum of 30 semester hours in a career oriented multidisciplinary concentration. Core courses will be specified for each concentration with electives chosen with the consent of an assigned department advisor. Some suggested concentrations are public/historical archeology and applied cultural anthropology. These courses will not appear in DegreeWorks until this contract is completed and submitted to the College Advising & Support Services Hub in I. G. Greer Hall.~~

~~Only one 1000-level ANT course may be counted towards the major.~~

~~A copy of this signed concentration must be sent to the College Advising & Support Services Hub in I. G. Greer Hall.~~

Choose One (3-4 Hours)

- ~~STT 2810 Introduction to Statistics (3)~~
- ~~STT 2820 Reasoning with Statistics (4)~~

Minor (~~Optional~~ REQUIRED) (12-21 Hours)


Minimum of 9 hours of courses taken to fulfil minor requirements must be courses offered by Appalachian.

Electives (~~11-13~~ 13-15-Hours)

Taken to total 120 hours for the degree

Total Required (120 Hours)

Anthropology – Multidisciplinary Concentration, BS

 [Print this Page](#)

Program Code: 201X
CIP Code: XX.XXXX

Non-Teaching

General Education Requirements (44 Hours)

- [General Education Requirements](#)

Some general education requirements may be double-counted in the major with departmental approval. Please see your advisor for information.

Major Requirements (73-74 Hours)

2.0 major GPA is required for graduation. Major GPA calculation will include all courses taken in the major discipline, plus any other courses under Major Requirements. Minimum of 18 semester hours of courses taken to fulfill major requirements must be courses offered by Appalachian.

Required Core Courses (10 Hours)

- [ANT 2215 - Cultural Anthropology \(3\)](#)
- [ANT 2221 - Archaeology \(3\)](#)
- [ANT 2230 - Biological Anthropology \(3\)](#)

- ANT 2550 – Anthropology Professionalization (1)

Methods Courses (Choose a Minimum of 3 Hours)

Choose one of the following:

- ANT 3200 - Zooarchaeology (3) *
- ANT 3250 - Archaeological Laboratory Methods (3) *
- ANT 3260 – Microscopy in Archaeology (3)*
- ANT 3300 – Human Osteology (3)*
- ANT 3305 - Forensic Anthropology (3) *
- ANT 3320 – Primatological Field Methods (3) *
- ANT 3405 - Quantitative Methods in Anthropology (3) *
- ANT 3410 - Ethnographic Methods (3) *
- ANT 3940 - Ethnographic Field School (2-6)
- ANT 3530-3549 Selected Topics (1-4)* (Only with approval from department)
- ANT 4530-4549 Selected Topics ((1-4)*Only with approval from department)

Writing in the Discipline [WID] Course (3 Hours)

Choose one WID course:

- ANT 3220 - Human Biological Variation (3) *
- ANT 3600 - Archaeological Theory (3) *
- ANT 3626 - History of Anthropological Ideas (3) *
- ANT 3630 – Epistemology and Praxis (3) *
- ANT 3635 - Political Anthropology (3) *
- ANT 3645 - Anthropology of Violence (3) *
- ANT 3660 – Medical Anthropology (3) *

Anthropology Electives (21 hours)

(See Note)

- 6 hours at 2000 level
- 6 hours at 3000/4000 level
- 6 hours at 4000 level
- 3 hours at any level

Senior Capstone (3-4 Hours)

(see Note)

Choose one: All are [CAP]

- ANT 4231 - Capstone: Magic and Modernity (3) *
- ANT 4241 - Capstone: Politics of Ethnicity (3) *
- ANT 4246 - Capstone: Hegemony and Power (3) *
- ANT 4251 - Capstone: Biology, Technology, and Culture (3) * *
- ANT 4256 - Capstone: Ethnobotany: Plants, People, and Culture (4) *
- ANT 4261 - Capstone: Anthropology of Development (3) *
- ANT 4266 - Capstone: Anthropology and Global Health (3) *
- ANT 4271 - Capstone: Arts of Resistance (3) *
- ANT 4276 - Capstone: Experimental Ethnography (3) *
- ANT 4281 - Capstone: Anthropology of the Body (3) *
- ANT 4321 - Capstone: Human Evolution (3) *
- ANT 4331 - Capstone: Bioarchaeology (3) *
- ANT 4351 - Capstone: Human Reproduction from an Evolutionary Perspective (3) *
- ANT 4361 - Capstone: Primate Conservation (3) *
- ANT 4371 - Capstone: Paleopathology (3) *
- ANT 4401 - Capstone: Paleolithic Archaeology (3) *
- ANT 4441 - Capstone: Experimental Archaeology (3) *
- ANT 4451 - Capstone: Paleolithic Cave Art (3) *
- ANT 4461 - Capstone: Landscape Archaeology (3) *
- ANT 4471 - Capstone: Cultural Artifacts (3) *
- ANT 4611 - Capstone: Culture, Energy and Power (3) *
- ANT 4510 - Senior Honors Thesis (3) *

Note

*Minimum grade of “C-” (1.7) required.

Students may not enroll in a course as a capstone if they have already taken the parallel course (e.g., ANT 4250 for ANT 4251; ANT 4320 for ANT 4321; ANT 4330 for ANT 4331; etc.). Students should therefore consult with their advisors before selecting seminars and electives.

Science and Technology Electives (3 hours)

At least 3 hours from the following disciplines at the 2000 level or higher: AST, BIO, CHE, GES, GHY, CS, CSD, ES, FER, MAT, PH, PHY, STT, TEC. Any course used to meet a General Education requirement may not be used to meet this requirement.

Concentration Requirements (30 Hours)

A minimum of 30 semester hours in a career-oriented multidisciplinary concentration. Core courses will be specified for each concentration with electives chosen with the consent of an assigned department advisor and the department chair. These courses will not appear in DegreeWorks until this contract is completed and submitted to the College Advising & Support Services Hub in I. G. Greer Hall.

Only one 1000-level ANT course may be counted towards the major. Courses must come from at least three different departments. At least 18 hours must be at 3000 level or above.

A copy of this signed concentration must be sent to the College Advising & Support Services Hub in I. G. Greer Hall.

Minor (Optional)

Electives (2-3 Hours)

Taken to total 120 hours for the degree

Total Required (120 Hours)

Anthropology - BA

 [Print this Page](#)

Program Code: 202*/202X

CIP Code: 45.0201

General Education Curriculum (44 hours)

- [General Education Requirements](#)

Some general education requirements may be double-counted in the major with departmental approval. Please see your advisor for information.

Language Requirements (6-12 Hours)

Completion of 6 semester hours at the *intermediate level or higher

- [Language Course 1040](#)

*

and

- [Language Course 1050](#)

*

or

- [Language Course 1060](#)

*

or

- Higher level courses

Note: Language courses 1010 & 1020 or 1030 are prerequisites for *intermediate level courses.

Language courses 1050 or 1060 may be used in General Education *Liberal Studies Experience*.

Major Requirements (40-41 hours)

2.0 major GPA is required for graduation. Major GPA calculation will include all courses taken in the major discipline, plus any other courses under Major Requirements. Minimum of 18 semester hours of courses taken to fulfill major requirements must be courses offered by Appalachian.

Required Core Courses: (10 hours)

- [ANT 2215 - Cultural Anthropology \(3\)](#)
- [ANT 2221 - Archaeology \(3\)](#)
- [ANT 2230 - Biological Anthropology \(3\)](#)
- [ANT 2550 – Anthropology Professionalization \(1\)](#)

Writing in the Discipline [WID] Course: (3 hours)

Choose one WID course:

- [ANT 3220 – Human Biological Variation \(3\) *](#)
- [ANT 3600 – Archaeological Theory \(3\) *](#)
- [ANT 3625 – History of Anthropological Ideas \(3\) *](#)
- [ANT 3630 – Epistemology and Praxis \(3\)*](#)
- [ANT 3635 – Political Anthropology \(3\)*](#)
- [ANT 3645 - Anthropology of Violence \(3\)*](#)
- [ANT 3660 – Medical Anthropology \(3\)*](#)

Anthropology electives (24 hours)

- 6 hours at 2000 level
- 6 hours at 3000 level
- 6 hours at 4000 level
- 6 hours at any level

Senior Capstone Choose (3-4 hours)

(See Note):

Choose one: All are [CAP]

- [ANT 4231 - Capstone: Magic and Modernity \(3\) *](#)
- [ANT 4241 - Capstone: Politics of Ethnicity \(3\) *](#)
- [ANT 4246 - Capstone: Hegemony and Power \(3\) *](#)
- [ANT 4251 - Capstone: Biology, Technology, and Culture \(3\) *](#)
- [ANT 4256 - Capstone: Ethnobotany: Plants, People, and Culture \(4\) *](#)
- [ANT 4261 - Capstone: Anthropology of Development \(3\) *](#)
- [ANT 4266 - Capstone: Anthropology and Global Health \(3\) *](#)
- [ANT 4271 - Capstone: Arts of Resistance \(3\) *](#)
- [ANT 4276 - Capstone: Experimental Ethnography \(3\) *](#)
- [ANT 4281 - Capstone: Anthropology of the Body \(3\) *](#)
- [ANT 4321 – Capstone: Human Evolution \(3\)*](#)
- [ANT 4331 – Capstone: Bioarchaeology \(3\)*](#)
- [ANT 4351 – Capstone: Human Reproduction from an Evolutionary Perspective \(3\)*](#)
- [ANT 4361 – Capstone: Primate Conservation \(3\)*](#)
- [ANT 4371 – Capstone: Paleopathology \(3\)*](#)
- [ANT 4401 – Capstone: Paleolithic Archaeology \(3\)*](#)
- [ANT 4441 – Capstone: Experimental Archaeology \(3\)*](#)
- [ANT 4451 – Capstone: Paleolithic Cave Art \(3\)](#)
- [ANT 4461 – Capstone: Landscape Archaeology \(3\)](#)
- [ANT 4471 -Capstone: Cultural Artifacts \(3\)](#)
- [ANT 4611 - Capstone: Culture, Energy and Power \(3\) *](#)

- [ANT 4510 - Senior Honors Thesis \(3\)](#)

Note:

Students may not enroll in a course as a capstone if they have already taken the parallel course (e.g., [ANT 4250](#) for [ANT 4251](#); [ANT 4320](#) for [ANT 4321](#); [ANT 4330](#) for [ANT 4331](#); etc.). Students should therefore consult with their advisors before selecting electives.

Note:

*Minimum grade of "C-" (1.7) required.

Minor Required (12-21)

Minimum of 9 semester hours of courses taken to fulfill minor requirements must be courses offered by Appalachian.

Electives (2-18)

Taken to total 120 hours for this degree

Total Required (120 Hours)

Data Science Certificate

Certificate Code: 614A

CIP Code: 11.0701

A certificate in Data Science requires 17 hours.

[Minimum C \(2.0\) GPA overall required in Data Science Certificate courses.](#)

Programming Fundamentals (4 Hours)

Choose one course

C S 2435 - Introduction to Scientific Programming (4)

C S 2440 - Computer Science II (4)

Data Science Foundations (10 Hours)

C S 3435 - Data Collection and Visualization (3)

MAT 2240 - Introduction to Linear Algebra (3)

STT 3850 - Statistical Data Analysis I (4)

Data Science Algorithms and Applications (3 Hours)

C S 4755 - Applied Machine Learning (3)

Environmental Literacy: Education for Sustainability Second Academic Concentration

SAC Code: ELS

CIP Code: ???

Candidates who select this area have the knowledge and skills surrounding sustainable practices and environmental stewardship.

General Education

Up to nine (9) semester hours of courses may be applied to satisfy General Education and/or Major requirements.

Sustainable Education Second Academic Concentration (18 Hours)

Required

- BIO 1201 - Biology in Society I (3) *
- BIO 1202 - Biology in Society II (3) *

Select a minimum of four courses (12 hours) from the following:

Biology

- BIO 3312 – Environmental Studies (3)
- BIO 3315 – Conservation Biology (3)
- BIO 3320 – Air Pollution Effects on Plants and People

Environmental Literacy

- C I 3552 – Environmental Literacy in 21st Century Schools and Society (3) *

- **C I 2000 – Nature and Youth (3)**
- **OR**
- RM 2000 – Nature and Youth (3)

Geology

- **ENV 1010 – Introduction to Environmental Science (3)**
- **GLY 2301 – Energy Extraction in Appalachia (Past, Present, and Future) (3)**
- **OR**
- A S 2301 – Energy Extraction in Appalachia (Past, Present, and Future) (3)

- **GLY 3110 – Environmental Regulation and Enforcement (3)**
- **OR**
- ENV 3110 – Environmental Regulation and Enforcement (3)

- GLY 3703 – Issues

Recreation Management

- **R M 2140 - Natural Resources: Becoming an informed Citizen (3)**
- **R M 2220 – Principles of Outdoor Experiential Education (offered in Fall semesters, up to 30 students, maybe one in the spring semester) (3)**
- **R M 3157 – Environmental Education Skills (Fall/Summer) (3)**
- **R M 3630 – Interpretive Methods (Spring) (3)**

Sustainable Development

- **S D 2400 – Principles of Sustainability (3)**
- **S D 2610 – Science for Sustainability (3)**
- **S D 2800 – Environmental Justice and Sustainability (3)**

Note:

Contact Person:

Dr. Lisa Gross
Department of Curriculum and Instruction
220A College of Education Building
262-7856
grossla@appstate.edu

OR

Dr. Mandy Harrison
Department of Recreation Management and Physical Education
262-6324
harrisonmb@appstate.edu

Elementary Education, BS

Program Code: 441A

CIP Code: 13.1202

Teaching

General Education Requirements (44 Hours)

- **General Education Requirements**

SPECIAL NOTE: Elementary Education majors must take nine (9) semester hours from the Cultivating Creative Expression theme as the Integrative Learning Experience in General Education. ENG 2360 is required along with two (2) other courses from this theme. Transfer students will be advised on required General Education coursework on an individual basis.

9 hours from the Second Academic Concentration may be double counted from General Education and Major.

Additional courses marked with an ~~asterick~~[asterisk](#) (*) may be double counted in General Education.

Professional Education Requirements (24 Hours)

MUST complete with a minimum grade of "C" (2.0)

- **C I 2300 - Teaching and Learning in the Digital Age (2)**
- **FDN 2400 - Critical Perspectives on Learning and Teaching (2)**
- **PSY 3010 - Psychology Applied to Teaching (3) ***
- **SPE 3300 - Creating Inclusive Learning Communities (3)**
- **C I 3400 - Policies and Practices in Educational Assessment (2)**
- **C I 4900 - Internship/Student Teaching (6-12)** [CAP] Students must complete 12 hours of Student Teaching

Major Requirements (~~61~~ 64 Hours)

MUST complete with a minimum grade of "C" (2.0) and before Block II

- **MAT 2030 - Mathematics for the Elementary School Teacher (3)** (MUST be completed before admission to Block I)
-
- **ENG 3240 - World Literature for Children (3)**
- or
- **R E 3240 - World Literature for Children (3)**
-
- **GHY 3013 - North Carolina (3)**
- or
- **HIS 3728 - History of North Carolina (3)**
-
- **THR 3857 - Teaching Theatre, K-5 (2)**
- and
- **THR 3858 - Theatre Pedagogy Practicum (1)**
- or
- **C I 3021 - Visual Art in the Elementary School (3)**
- or
- **MUS 2024 - Music Methods for the Classroom Teacher (3)**
-
- **C I 3750 - Integrating Media and Technology into Teaching (3)**
- **HPE 3645 – Health Education in the Elementary School (3)**

Directed Elective (3 Hours)

Choose one of the following courses for 3 hours or an appropriate substitution approved by an advisor

- **C I 3551 - Teacher, Leader, Citizen (3)**

- **C I 3552 - Environmental Literacy in 21st Century Schools and Society (3)**
- **C I 3553 - Issues of Language and Culture in Public Schools (3)**
- **C I 3554 - Investigating the Past and Present through the Experiences of Children (3)**
- **C I 3555 - Beyond the Numbers (3)**
- **C I 3556 - Children at Risk (3)**
- **C I 3557 - Build It! Design Technology and Elementary STEAM Education (3)**
- **C I 3530-3549 - Selected Topics (1-4)** (3 hours required for the major)

Block I

MUST take concurrently after admission to teacher education before Block II with a minimum grade of “C” (2.0). Block I must be taken along with **SPE 3300**.

- **MAT 3230 - Investigating Mathematics and Learning (3)** [WID]
- or
- **C I 3230 - Investigating Mathematics and Learning (3)** [WID]
-
- **R E 3030 - Foundations of Literacy (3)**
-
- **C I 3000 - Learner Diversity: Teaching English Language Learners (3)** (10 hrs. service learning included)
- or
- **SPE 3000 - Learner Diversity: Teaching English Language Learners (3)** (10 hrs. service learning included)
-

Block II

MUST take concurrently after admission to teacher education with a minimum grade of “C”, after Block I, and before student teaching

- **C I 4030 - Teaching Mathematics in the Elementary School (3)**
- **R E 4030 - Development of Literacy for Learning (3)**

- **C I 3110 - Social Studies in the Elementary School (3)** (10 hrs. service learning included)
- **C I 4000 - Elementary School Curriculum and Instruction (4)**
- **C I 4401 - Methods of Elementary Science Teaching (3)**

Second Academic Concentration (18 Hours)

9 hours may be double counted from General Education and Major

- **Diversity Studies**
- **English**
- **Foreign Language**
- **Environmental Literacy**
- **Exceptional Learners**
- **Global Issues**
- **Language, Literacy and the English Learner**
- **Math, Science, & Technology**
- **Mathematics**
- **Media Studies**
- **Music**
- **Natural Sciences**
- **Psychology**
- **Public Health**
- **Social Studies**
- **The Arts**
- **Theater**
- **Visual Arts**

Electives (Minimum ~~3~~-60-3 Hours)

Total Required (120 Hours)

A student must have at least a 2.70 grade-point average to be admitted to the teacher education program and must maintain a 2.70 grade-point average overall through student teaching.

Career & Technical Education - Agriculture Education

Program Code: 456*/456H

CIP Code: 13.1299

Teaching

General Education Requirements (44 Hours)

- [General Education Requirements](#)

Three hours of major requirements fulfill General Education Requirements:

- [PSY 3010 - Psychology Applied to Teaching \(3\)](#)

Professional Education Requirements (24 Hours at Appalachian State University)

All courses must be completed with a minimum grade of "C" (2.0).

- [C I 2300 - Teaching and Learning in the Digital Age \(2\)](#)
- [FDN 2400 - Critical Perspectives on Learning and Teaching \(2\)](#)
- [PSY 3010 - Psychology Applied to Teaching \(3\)](#)
- [SPE 3300 - Creating Inclusive Learning Communities \(3\)](#)
- [C I 3400 - Policies and Practices in Educational Assessment \(2\)](#)
- [C I 4900 - Internship/Student Teaching \(6-12\)](#)

PRAXIS I Core Academic Skills for Educators (CASE)

PRAXIS II Subject/Assessment Exam not required

- CASE Reading
- CASE Writing
- CASE Mathematics

Career and Technical Education Core Requirements (17 Hours at Appalachian State University)

All courses must be completed with minimum grade of “C” (2.0).

- [CTE 1750 - An Introduction to Career and Technical Education \(1\)](#)
- [CTE 4619 - Career and Technical Education Curriculum \(3\)](#)
- [CTE 4629 - Management of Career and Technical Education Programs and CTSOs \(3\)](#)
- [CTE 4650 - Research in Career and Technical Education \(3\)](#)
- [CTE 4660 - Methods and Materials in Career and Technical Education \(3\)](#)
- [CTE 4750 - Work-Based Experiences \(3\)](#)
- [CTE 4910 - Practicum in Career and Technical Education \(1\)](#)

Concentration Requirement (29 Hours)

(Select 29 hours from the courses listed below)

Special Note: These courses are to be taken concurrently at Wilkes Community College while completing other requirements at Appalachian State University.

A minimum grade of “C” (2.0) is required in each major course

- ~~CTE 3535 Selected topics:WCAG 1100 - Animal Science (3)# /WCC Course: ANS 110 #~~
- [WCAG 1110 - Basic Farm Maintenance \(2\)#](#)
- ~~CTE 3536 Selected topics:WCAG 1160 - Intro to the Equine Industry (3)# /WCC Course: ANS 116 #~~
- ~~CTE 3537 Selected topics:WCAG 1200 - Beef Production (3)# /WCC Course: ANS 120 #~~
- ~~CTE 3538 Selected topics:WCAG 1300 - Poultry Production (3)# /WCC Course: ANS 130 #~~
- ~~CTE 3539 Selected topics: Basic Farm Maintenance (2)/WCC Course: AGR 111 #~~
- ~~CTE 3540 Selected topics:WCAG 1340 - Greenhouse Operations (3)#* /WCC Course: HOR 134 #*~~
- [WCAG 1400 – Horticulture Pest Management \(3\)#](#)

- ~~CTE 3541 Selected topics: WCAG 1600 - Plant Materials I (3)# /WCC Course: HOR 160 #~~
- ~~CTE 3542 Selected topics: WCAG 1610 - Plant Materials II (3)# /WCC Course: HOR 161 #~~
- ~~CTE 3543 Selected topics: WCAG 1660 - Soil Science (3)# /WCC Course: HOR 166 #~~
- ~~CTE 3544 Selected topics: WCAG 1680 - Plant Propagation (3)# /WCC Course: HOR 168 #~~
- ~~CTE 3545 Selected topics: WCAG 2350 - Greenhouse Production (2)#* /WCC Course: HOR 235 #*~~
- ~~CTE 3546 Selected topics: Agricultural Chemicals (3) / WCC Course: AGR 140 #*~~

*Double count in Second Academic Concentration

#Must be taken at Wilkes Community College

Second Academic Concentration (18 Hours 9 completed at Appalachian State University)

Total of 18 hours required. (9 hours double count from major requirements). Select from the following:

- [Sustainable Design and Technology](#)

Total Required (120 Hours)

A student must have at least a 2.70 grade-point average to be admitted to the teacher education program and must maintain a 2.70 grade-point average overall through student teaching. A minimum of 50 hours must be completed at a senior institution.

Computer Information Systems Second Academic Concentration

SAC Code: CIS

CIP Code: 52.1201

General Education

~~None of the course in this SAC are General Education courses. BE 3380 Information Systems for Business and Education Professionals, BE 4550 Computer Applications for Business and Education Professionals, and BE 4650 Computer Applications for Business and Education Professionals may satisfy 9 SH in the Business Education major.~~

Computer Information Systems Second Academic Concentration Requirements (18 Hours)

A second academic concentration in computer information systems (CIS) may be obtained by completing 18 hours taken as follows:

Required Information Systems Core Courses (~~15-12~~ Hours)

[CTE-3380 Information Systems for Business and Education Professionals](#), [CTE-4550 Digital Network Learning Systems](#), and [CTE 4640 Computer Design Applications for Business and Educational Professionals](#) may satisfy 9 Sh in the Career and Technical Education major Business, Finance and Information Technology Education concentration (456B) CIP 12.1299

- **CTE 3380 - Information Systems for Business and Education Professionals (3)**
- **CTE 4550 - Digital Network Learning Systems (3)**
- **CTE 4640 - Computer Design Applications for Business and Educational Professionals (3)**
- **CIS 2050 - Information Technology in the Organization (3)**
- ~~**CIS 3250 - Systems Analysis and Design (3)**~~

Choose ~~3-6~~ Additional Credit Hours From The Following (~~3-6~~ Hours)

Prerequisite includes the identified courses and a minimum of "C" (2.0) in any Writing in the Discipline (WID) course.

- CIS 3580 - Networking and IT Infrastructures (3)
- CIS 3610 - Project Management (3)
- CIS 3620 - Global Information Technologies (3)
- CIS 3680 - Programming Software Solutions (3)
- CIS 3710 - Emerging Information Technologies (3)
- CIS 3750 - Database Management (3)
- CIS 3820 - Ethics and Privacy (3)
- CIS 3840 - Managing Security (3)
- CIS 3870 - Web and Mobile Development (3)
- CIS 4585 - Advanced Data Communications and Networking (3) #
- CIS 4620 - IS Strategy and Ethics (3) #
- CIS 4630 - Advanced Data Management with Oracle (3) #
- CIS 4710 - e-Business Systems (3) #
- CIS 4790 - Current Topics in Information Systems (3) #
- ~~CIS 4850 - Information System Project (3) #~~
- Other appropriate courses as approved by adviser/coordinator.

Note:

Advising in the Department of Curriculum and Instruction is required.

Contact Persons:

Dr. Herb Brown, Coordinator
220B College of Education Building
262-3132

Proposed Undergraduate Bulletin

http://bulletin.appstate.edu/preview_entity.php?catoid=16&ent_oid=954&returnto=850#departments

Admission to Undergraduate Teacher Education

To be admitted to a teacher education program, a student must make formal application to the Dean's Office in the Reich College of Education. Applications are electronic and are available in the "student services" section of self-service.

Candidates seeking admission to Teacher Education must submit an application by August 1st for Fall admission and January 1st for Spring admission. Required Praxis scores, criminal background check approvals must be received and prerequisites met prior to submission of Teacher Education application. Students enrolled in Summer II prerequisite courses must submit Teacher Education application within 3 business days of final grades being posted to be considered for Fall admission.

Deadlines for admission to Teacher Education will not be extended, nor will conditional permit to Block I courses be made. It may take several weeks to receive official scores from the testing company and receipt of criminal background checks; therefore, candidates should plan ahead to receive Praxis scores and criminal background approval prior to the Teacher Education admission deadlines.

Students must have:

1. Completed at least 45 semester hours.
2. Earned a cumulative grade-point average of at least 2.70 (a grade-point average of at least 2.70 must be maintained thereafter). Transfer students, including those with 45 or more semester hours, must earn a 2.7 cumulative GPA on a minimum of 12 semester hours of courses completed at Appalachian.
3. Attained acceptable scores on PRAXIS: Academic Skills for educators (3 tests: Reading; Writing; and Mathematics) or, SAT or ACT scores in lieu of the PRAXIS. Minimum passing scores are set by the North Carolina State Department of Public Instruction.
4. Completed the Candidate for Professional Licensure form (CPL). This form is required by UNC's General Administration and the North Carolina State Department of Public Instruction to determine how many students are enrolled in licensure programs. The form is also used in initiating the licensure process.

5. Completed CI 2300 and FDN 2400 with a **minimum grade of “C” (2.0)** ~~or higher~~
6. Completed the English proficiency and Reading proficiency as follows:
English proficiency: completion of RC 1000 with a **minimum grade of “C” (2.0)** ~~or better~~ and successful completion of PRAXIS I: Writing with minimum scores set by state are required. (SAT and ACT scores may be used in lieu of PRAXIS I scores.) Reading proficiency: successful completion of PRAXIS I: Reading with minimum scores set by state and a cumulative gradepoint average of at least 2.70 on a minimum of 45 s.h. Students transferring in 45 or more semester hours must earn a 2.70 cumulative GPA on a minimum of 12 s.h. at Appalachian. (SAT and ACT scores may be used in lieu of PRAXIS I scores.)
7. Declaration of a second academic concentration (if a second academic concentration is required).
8. Criminal background checks must be current (within previous six months) at the time of admission to teacher education.
9. Grades of “I” (Incomplete) must be removed prior to admission to teacher education.

~~If all admission criteria are not met when the formal application to teacher education is made, the application will be returned to the student. Students will be formally notified if they are not accepted into the teacher education program.~~

Child Development - Family and Child Studies Concentration, BS

Program Code: 510*/510H

CIP Code: 19.0706

General Education Requirements (44 Hours)

- [General Education Requirements](#)

Major Requirements (~~76~~ 77 Hours)

A minimum grade-point average of 2.5 is required in all major courses. 18 sh in the major must be completed at Appalachian.

Child and Family Studies Core (30 Hours)

- [FCS 2101 - Child Development: Birth-2 Years \(3\)](#)
- [FCS 2102 - Child Study and Guidance \(3\)](#)
- * [FCS 2103 - Family Development: Origins and Movement \(3\)](#)
- [FCS 2104 - Child Development: 3-K Years \(3\)](#)
- * [FCS 2110 - Global Awareness: Examining the Human Condition \(3\)](#)
- [FCS 3102 - Family, Child and Professional Interactions: A Focus on Young Children \(3\)](#)
- [FCS 3106 - Adolescent Development \(3\)](#)
- [FCS 3107 - Variations in Development: Birth through Kindergarten \(3\)](#)
- [FCS 3109 - Child Development: Ages 5-12 \(3\)](#)
- [FCS 3250 - Reflective Practices: Observation and Constructivist Pedagogy in Early Care and Education Settings \(3\)](#)

Professional Core (23 Hours)

- [FCS 1400 - Professional Orientation \(1\)](#)
- [FCS 3901 - Practicum \(3\)](#)
- [FCS 4400 - Professional Seminar \(1\)](#) [WID]
- [FCS 4553 - Leadership in Advocacy, Administration, and Collaboration \(3\)](#)
- [FCS 4610 - Administration of Early Childhood Programs \(3\)](#)
- [FCS 4900 - Internship \(3-12\)](#) [CAP] Students must complete 12 hours for major

Related Core (5-6 Hours)

- [ART 3022 - Art Education: Birth Through Six-Making Sense of the World \(3\)](#)
- [NUT 2201 - Foods and Nutrition for Children \(23\)](#)

Choose A Minimum Of One Of The Following For Area(s) Of Focus (18 Hours)

Early Childhood Focus (18 Hours)

- [FCS 4556 - Infant/Toddler Curriculum \(3\)](#)
- [FCS 4602 - Preschool Curriculum and Instruction \(3\)](#)
- [SPE 3274 - Developmental/Educational Assessment: Birth-5 \(3\)](#)

Choose three from the following:

- [FCS 3100 - Early Intervention for Young Children \(3\)](#)
- [FCS 3110 - Enriching Experiences and Programming for Children \(3\)](#)
- [R E 3902 - Emergent Literacy \(3\)](#)
- [R E 3240 - World Literature for Children \(3\)](#)
- [ART 2420 - The Child as Cultural Construct \(3\)](#)

Early Intervention Focus (18 Hours)

- [FCS 3100 - Early Intervention for Young Children \(3\)](#)
- [FCS 4602 - Preschool Curriculum and Instruction \(3\)](#)
- [FCS 4556 - Infant/Toddler Curriculum \(3\)](#)
- [SPE 3274 - Developmental/Educational Assessment: Birth-5 \(3\)](#)

Choose two from the following:

-
- [CSD 2259 - Communication Disorders \(3\)](#)
 - [CSD 3366 - Communication Development \(3\)](#)
 - [CSD 3368 - American Sign Language I \(3\)](#)
 - [CSD 3370 - American Sign Language II \(3\)](#)
 - [SPE 3350 - Characteristics, Theories, and Diagnosis of Students with Learning Differences: General and Adapted Curriculum \(3\)](#)
 - [SPE 3370 - Introduction to Developmental Disabilities: General and Adapted Curriculum \(3\)](#)

Child & Family Support Services Focus (18 Hours)

-
- [FCS 4602 - Preschool Curriculum and Instruction \(3\)](#)
 - [FCS 4556 - Infant/Toddler Curriculum \(3\)](#)
 - [SOC 1110 - Sociology of Intimate Relationships \(3\)](#)

Choose three from the following:

-
- [FCS 4611 - Psychosocial Care of Families and Children in the Hospital \(3\)](#)
 - [SOC 1000 - The Sociological Perspective \(3\)](#)
 - [IDS 2450 - Introduction to Not-for-Profit Organizations \(3\)](#)
 - [PSY 2100 - Psychology of Parenting \(3\)](#)

Programs & Services for Middle Childhood & Adolescence Focus (18 Hours)

-
- [FCS 3110 - Enriching Experiences and Programming for Children \(3\)](#)

Choose five from the following:

-
- [R M 2000 - Nature and Youth \(3\)](#)
 - or
 - [C I 2000 - Nature and Youth \(3\)](#)
 -
 - [R M 2100 - Leisure in Society \(3\)](#)
 - [R M 2120 - Leadership and Group Dynamics in Recreation \(3\)](#)
 - [R M 2410 - Recreation Program Planning \(3\)](#)
 - [IDS 2450 - Introduction to Not-for-Profit Organizations \(3\)](#)
 - [C I 3556 - Children at Risk \(3\)](#)
 - [C I 3554 - Investigating the Past and Present through the Experiences of Children \(3\)](#)
 - [C I 3920 - Teaching Young Adolescents \(3\)](#)
 - [C I 4835 - Media: Image, Influence, and Identity \(3\)](#)
 - [PSY 2210 - Psychology of Human Growth and Development \(3\)](#)
 - [PSY 3000 - Educational Psychology \(3\)](#)

Free Electives (~~2-6~~1-5 Hours)

Taken to total 120 hours for the degree

Total Required (120 Hours)

Note:

* FCS 2103 and FCS 21106 taken for the major may count up to 6 SH toward General Education.

Dr. Teresa Sumrall, Program Director
sumralltc@appstate.edu

Sustainable Technology, BS Proposed 2020-2021

Program Code: 571A

CIP Code: 15.0507

Non-Teaching

General Education (44 Hours)

General Education Requirements

Eighteen hours of major requirements fulfill General Education requirements:

MAT 1020 or **higher** fulfills Quantitative Literacy. Minimum grade of "C" (2.0) is required for the major.

Science Sequence fulfills Science Inquiry.

TEC 2029 ILE: Sustainability and Global Resources and the Social Sciences

TEC 2601 Liberal Studies Experience

Elective courses in the major may fulfill up to an additional nine hours of General Education requirements:

ECO 2620 and **PLN 2410** Liberal Studies Experience

IND 2012 Liberal Studies Experience and Fine Arts designation

PHY 1830, **PHL 2015**, and **S D 2400** ILE: Sustainability and Global Resources

Major Requirements (93 – 95 Hours)

An overall 2.0 GPA is required in the major. 18 semester hours must be completed at Appalachian.

Junior Writing in the Discipline (WID)

and

Senior Capstone Experience (CAP) must be met

General Education courses also required for the major (12 Hours)

MAT 1020 - College Algebra with Applications (4) (or higher) Note: MAT 1025 will NOT count for Gen Ed Quantitative Literacy Minimum grade of "C" (2.0) is required for the major.

BIO 1201 - Biology in Society I (3) and

BIO 1202 - Biology in Society II (3) and

BIO 1203 - Biology in Society Laboratory (2)

or

CHE 1101 - Introductory Chemistry I (3) and

CHE 1110 - Introductory Chemistry Laboratory I (1)

Deleted: **MAT 1110**

Deleted: **92 - 94 Hours**

CHE 1102 - Introductory Chemistry II (3) and
CHE 1120 - Introductory Chemistry Laboratory II (1)

or

PHY 1103 - General Physics I (4)

PHY 1104 - General Physics II (4)

Introductory Sustainable Technology & the Built Environment Coursework (23 Hours)

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TEC 1708 - Construction Methods I (3)

TEC 1728 - Architectural Graphics and Modeling I (3)

TEC 2024 - Introduction to Electronics (3)

TEC 2029 - Society and Technology (3)

TEC 2601 - Energy Issues and Technology (3)

TEC 2718 - Building Services (3)

TEC 3807 - Construction Safety (2)

TEC 3638 - Foundations of Sustainable Technology (3) [WID]

Interdisciplinary Coursework (18 Hours)

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Select 6 courses. See the Sustainable Technology Program Director for complete list.

Recommended courses include:

BIO 3312 - Environmental Studies (3)

ECO 2620 - Environmental and Resource Economics (3)

GHY 2812 - Geospatial Technology in a Changing World (3)

GHY 3820 - GIS for the Environmental and Social Sciences (3)

IND 2012 - Product Design (3)

IND 2110 - Introduction to Fabrication (3)

IND 3004 - Welding (3)

MGT 3010 - Survey of Management (3)

PHL 2015 - Environmental Ethics (3)

PHY 1830 - The Physical Principles of Energy and Sustainability (3)

PHY 3140 - Environmental Physics (3)

PLN 2410 - Town, City and Regional Planning (3)

PLN 4240 - Sustainable Transportation Planning (3)

S D 2400 - Principles of Sustainable Development (3)

S D 3100 - Principles of Agroecology (3)

S D 4100 - Agroecology Practices, Systems, and Philosophies (3)

Technical Specialization (40 - 42 Hours)

The following are required courses. (15 Hours)

[TEC 3609 - Introduction to PV Technology \(3\)](#)

[TEC 3610 - Computer Applications for Renewable Energy Systems \(3\)](#)

[TEC 4607 - Wind and Hydro Power Technology \(3\)](#)

[TEC 4628 - Solar Thermal Energy Technology \(3\)](#)

[TEC 4638 - Contemporary Problems in Sustainable Technology \(3\)](#) [CAP] "C" (2.0) minimum required

Or

[TEC 4900 - Internship \(3-12\)](#) [CAP] [3 sh required for major]

Select 9 courses from the following (25 - 27 Hours)

[TEC 3520 - Instructional Assistance \(1\)](#)

[TEC 3530-3549 - Selected Topics \(1-4\)](#)

[TEC 3604 - Sustainable Transportation \(3\)](#)

[TEC 3605 - Sustainable Resource Management \(3\)](#)

[TEC 3606 - Sustainable Water and Wastewater Technology \(3\)](#)

[TEC 3612 - Instrumentation for Renewable Energy Systems \(3\)](#)

[TEC 3640 - Sustainable Technology Field Study \(0-3\)](#)

[TEC 3704 - E-bike Technology \(3\)](#)

[TEC 3748 - Building Science \(3\)](#)

[TEC 4515 - PV Operations and Maintenance \(3\)](#)

[TEC 4520 - PV Business \(3\)](#)

[TEC 4530-4549 - Selected Topics \(1-4\)](#)

[TEC 4613 - EV Design \(3\)](#)

[TEC 4615 - Renewable Energy Project Development \(3\)](#)

[TEC 4616 - Solar Vehicle Design \(3\)](#)

[TEC 4618 - Sustainable Building Design and Construction \(3\)](#)

[TEC 4633 - Battery-Based PV Systems \(3\)](#)

[TEC 4700 - Bioenergy Technology \(3\)](#)

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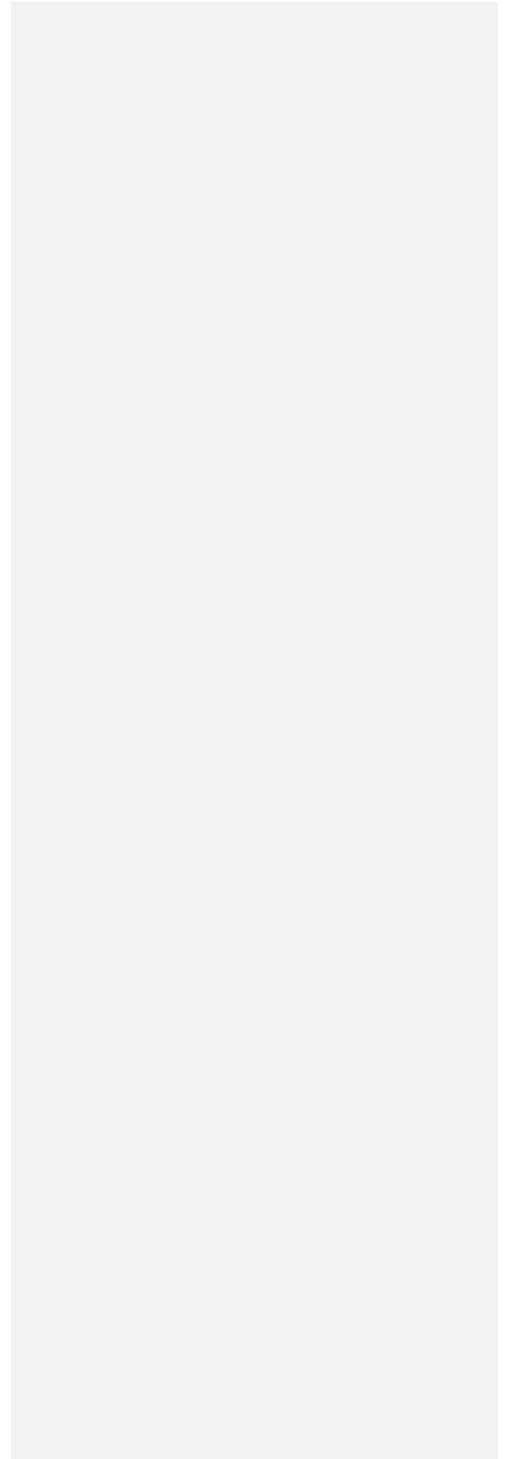
Minor Not Required

Free Electives ([8 - 10 Hours](#))

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To total a minimum of 120 hours for the degree.

Total Required (120 Hours)



Sustainable Technology Minor Proposed 2020-2021

Minor Code: 593

CIP Code: 15.0507

Students may earn a minor in Sustainable Technology by completing the following **18 hours** of coursework.

Nine hours must be completed at ASU.

Required Courses (6 hours)

TEC 2029 - Society and Technology (3)

TEC 2601 - Energy Issues and Technology (3)

Select any four of the following courses (12 hours)

[TEC 2024 – Introduction to Electronics \(3\)](#)

TEC 3530-3549 - Selected Topics (1-4)

TEC 3604 - Sustainable Transportation (3)

TEC 3605 - Sustainable Resource Management (3)

TEC 3606 - Sustainable Water and Wastewater Technology (3)

TEC 3610 - Computer Applications for Renewable Energy Systems (3)

[TEC 3704 – E-bike Technology \(3\)](#)

[TEC 4613 – EV Design \(3\)](#)

~~TEC 4628 - Solar Thermal Energy Technology (3)~~

TEC 4700 - Bioenergy Technology (3)

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Building Sciences - Architectural Technology and Design Concentration, BS Proposed 2020-2021

Program Code: 577*/577B
CIP Code: 52.2001

General Education (44 hours)

General Education Requirements

Fifteen hours of major requirements fulfill General Education requirements:

MAT 1020 fulfills Quantitative Literacy.

PHY 1103 and **PHY 1104** fulfills Science Inquiry.

TEC 2029 (Integrative Learning Experience: Sustainability and Global Resources and the Social Science)

Elective courses in the major may fulfill up to an additional six hours of General Education requirements:

PLN 2410 (Liberal Studies Experience)

IND 2012 (LSE and Fine Arts designation)

Major Requirements (91 hours)

18 semester hours must be completed at Appalachian. A laptop computer is required.

Junior Writing in the Discipline (WID) and

Senior Capstone Experience (CAP) must be met.

Foundation Coursework (15 hours)

Minimum grade of "B" (3.0) in **MAT 1020** or higher and "C" (2.0) in other listed courses is required.

MAT 1020 - College Algebra with Applications (4) (or higher). Note: MAT 1025 does not fulfill Gen Ed Quantitative Literacy.

TEC 2029 - Society and Technology (3)

PHY 1103 - General Physics I (4)

PHY 1104 - General Physics II (4)

Introductory Coursework (21 hours)

Minimum grade of "C" (2.0) in each course required

TEC 1708 - Construction Methods I (3) Note: MAT 1020 or higher is required for building majors

TEC 1728 - Architectural Graphics and Modeling I (3) Note: MAT 1020 or higher is required for building majors

TEC 2718 - Building Services (3) Note: MAT 1020 or higher is required for building majors

TEC 2739 - Materials and Structures I (3) Note: MAT 1020 or higher is required for building majors

INT 1001 - Visual Literacy I (3)

INT 1002 - Visual Literacy II (3)

INT 2310 - History of Interior Design and Architecture II (3)

Advanced Coursework (41 hours)

Minimum grade of "C" (2.0) in each course required

INT 4320 - Professional Practices in Design (2)

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TEC 3038 - Construction Methods II (3)
TEC 3718 - Construction Estimating (3)
TEC 3719 - Surveying Methods (1)
TEC 3728 - Architectural Design Studio I (3)
TEC 3738 - Materials and Structures II (3)
TEC 3739 - Materials and Structures III (3)
TEC 3748 - Building Science (3)
TEC 3758 - Architectural Design Studio II (3)
TEC 4738 - Architectural Design Studio III (4)
TEC 4748 - Architectural Design Studio IV (4)
TEC 4758 - Planning and Scheduling (3)
TEC 4900 - Internship (3-12) [CAP] (3 sh required for major)
TEC 4901 - Internship Portfolio (3) [WID]

Major Electives (14 hours)

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Choose from the following:

IND 2012 - Product Design (3)
IND 2110 - Introduction to Fabrication (3)
IND 2201 - Design Drawing I (3)
INT 2200 - Interior Design Systems I (3)
INT 3001 - Architecture and Design Internship Workshop (1)
PLN 2410 - Town, City and Regional Planning (3)
PLN 3432 - Planning Techniques (4)
PLN 3730 - Land, Property, and Law (3)
TEC 2601 - Energy Issues and Technology (3)
TEC 3035 - Architectural Field Study (1-3)
TEC 3036 - Construction Management Field Study (1-3)
TEC 3037 - Sustainable Building Systems Field Study (1-3)
TEC 3520 - Instructional Assistance (1)
TEC 3530-3549 - Selected Topics (1-4)
TEC 3604 - Sustainable Transportation (3)
TEC 3605 - Sustainable Resource Management (3)
TEC 3606 - Sustainable Water and Wastewater Technology (3)
TEC 3609 - Introduction to PV Technology (3)
TEC 3610 - Computer Applications for Renewable Energy Systems (3)
TEC 3807 - Construction Safety (2)
TEC 3900 - Internship: Field Experience (3)
TEC 4530-4549 - Selected Topics (1-4)
TEC 4618 - Sustainable Building Design and Construction (3)
TEC 4628 - Solar Thermal Energy Technology (3)
TEC 4700 - Bioenergy Technology (3)
TEC 4729 - Healthy Buildings (3)
TEC 4768 - Construction Administration (3)

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Minor Not Required

Recommended minors are Community and Regional Planning or Sustainable Technology

Free Electives (0 - 6 hours)

To total a minimum of 120 hours for the degree

Total Hours Required: 120

Building Sciences - Construction Management Concentration, BS

Return to: [The College of Fine and Applied Arts](#)

Program Code: 577*/577C

CIP Code: 52.2001

Non-Teaching

General Education Requirements (44 Hours)

General Education Requirements

Fifteen hours of major requirements fulfill General Education requirements:

MAT 1020 fulfills Quantitative Literacy.

PHY 1103 and **PHY 1104** fulfill Science Inquiry.

TEC 2029 (Integrative Learning Experience: [Sustainability](#) and Global Resources and the Social Science designation)

Deleted: Sustainability

Elective courses in the major may fulfill up to an additional three hours of General Education requirements:

ECO 2030, **PLN 2410**, and **TEC 2601** (Liberal Studies Experience)

Major Requirements (91 hours)

18 semester hours must be completed at Appalachian. A laptop computer is required.

Junior Writing in the Discipline (WID) and

Senior Capstone Experience (CAP) must be met

Foundation Coursework (15 Hours)

Minimum grade of "B" (3.0) in MAT 1020 [or higher](#) and "C" (2.0) in all other listed courses is required.

MAT 1020 - College Algebra with Applications (4) (or higher) Note: MAT 1025 does not count for Gen Ed Quantitative Literacy.

TEC 2029 - Society and Technology (3)

PHY 1103 - General Physics I (4)

PHY 1104 - General Physics II (4)

Introductory Coursework (12 Hours)

Minimum grade of "C" (2.0) in each course is required

TEC 1708 - Construction Methods I (3) Note: MAT 1020 [or higher](#) is required for building majors

TEC 1728 - Architectural Graphics and Modeling I (3) Note: MAT 1020 [or higher](#) is required for building majors

TEC 2718 - Building Services (3) Note: MAT 1020 [or higher](#) is required for building majors

TEC 2739 - Materials and Structures I (3) Note: MAT 1020 [or higher](#) is required for building majors

Advanced Coursework (35 Hours)

Deleted: 34 Hours

Minimum grade of "C" in each course is required

TEC 3038 - Construction Methods II (3)

TEC 3718 - Construction Estimating (3)

TEC 3719 - Surveying Methods (1)

TEC 3728 - Architectural Design Studio I (3)

TEC 3738 - Materials and Structures II (3)

TEC 3739 - Materials and Structures III (3)

TEC 3748 - Building Science (3)

TEC 4758 - Planning and Scheduling (3)

TEC 4768 - Construction Administration (3)

TEC 4778 - Integrated Project Design and Delivery (4)

TEC 4900 - Internship (3-12)[CAP] (3 sh required for major)

TEC 4901 - Internship Portfolio (3)[WID]

Major Electives (20 Hours)

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CIS 2050 - Information Technology in the Organization (3)

ECO 2030 - Principles of Microeconomics (3)

FIN 3010 - Survey of Finance (3)

MGT 3010 - Survey of Management (3)

MKT 3050 - Principles of Marketing (3)

PLN 2410 - Town, City and Regional Planning (3)

PLN 3432 - Planning Techniques (4)

PLN 3730 - Land, Property, and Law (3)

TEC 2601 - Energy Issues and Technology (3)

TEC 3035 - Architectural Field Study (1-3)

TEC 3036 - Construction Management Field Study (1-3)

TEC 3037 - Sustainable Building Systems Field Study (1-3)

TEC 3520 - Instructional Assistance (1)

TEC 3530-3549 - Selected Topics (1-4)

Building Sciences - Sustainable Building Systems Concentration, BS

← Return to: [Programs of Study](#)

Program Code: 577*/577D

CIP Code: 52.2001

Non-Teaching

General Education Requirements (44 hours)

General Education Requirements

Eighteen (18) hours of major requirements fulfill General Education requirements:

MAT 1020 fulfills Quantitative Literacy.

PHY 1103 and **PHY 1104** fulfills Science Inquiry.

TEC 2029 (Integrative Learning Experience: [Sustainability](#) and Global Resources and the Social Science)

TEC 2601 (Liberal Studies Experience)

Elective courses in the major may fulfill up to an additional six (6) hours of General Education requirements:

PHY 1830 and **PHL 2015** 9ILE: Sustainability and Global Resources)

ECO 2620 (Liberal Studies Experience)

Major Requirements (91 Hours)

18 semester hours must be completed at Appalachian. A laptop computer is required).

Junior Writing in the Discipline (WID)

and

Senior Capstone Experience (CAP) must be met.

Foundation Coursework (15 Hours)

Minimum grade of "B" (3.0) in MAT 1020 [or higher](#) and "C" (2.0) in all other listed courses is required.

MAT 1020 - College Algebra with Applications (4) (or higher) Note: MAT 1025 does not count for Gen Ed Qualitative Literacy.

TEC 2029 - Society and Technology (3)

PHY 1103 - General Physics I (4)

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PHY 1104 - General Physics II (4)
Introductory Coursework (18 Hours)

Minimum grade of "C" in each course is required

- TEC 1708 - Construction Methods I (3)** Note: MAT 1020 [or higher](#) is required for building majors
- TEC 1728 - Architectural Graphics and Modeling I (3)** Note: MAT 1020 [or higher](#) is required for building majors
- TEC 2024 - Introduction to Electronics (3)**
- TEC 2601 - Energy Issues and Technology (3)**
- TEC 2718 - Building Services (3)** Note: MAT 1020 [or higher](#) is required for building majors
- TEC 2739 - Materials and Structures I (3)** Note: MAT 1020 [or higher](#) is required for building majors
- Advanced Coursework (41 Hours)**

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Minimum grade of "C" (2.0) in each course is required

- TEC 3038 - Construction Methods II (3)**
- TEC 3612 - Instrumentation for Renewable Energy Systems (3)**
- TEC 3718 - Construction Estimating (3)**
- TEC 3719 - Surveying Methods (1)**
- TEC 3728 - Architectural Design Studio I (3)**
- TEC 3738 - Materials and Structures II (3)**
- TEC 3739 - Materials and Structures III (3)**
- TEC 3748 - Building Science (3)**
- TEC 4618 - Sustainable Building Design and Construction (3)**
- TEC 4729 - Healthy Buildings (3)**
- TEC 4758 - Planning and Scheduling (3)**
- TEC 4788 - Integrated Energy and Building Systems (4)**
- TEC 4900 - Internship (3-12)** [CAP] (3 sh required for major)
- TEC 4901 - Internship Portfolio (3)** [WID]
- Major Electives (17 Hours)**

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Minimum grade of "C" (2.0) in each course is required

Choose from the following:

- ACC 1050 - Survey of Accounting (3)**
- ECO 2620 - Environmental and Resource Economics (3)**
- LAW 2150 - Legal Environment of Business (3)**
- PHL 2015 - Environmental Ethics (3)**

PHY 1830 - The Physical Principles of Energy and Sustainability (3)

PHY 3140 - Environmental Physics (3)

TEC 3035 - Architectural Field Study (1-3)

TEC 3036 - Construction Management Field Study (1-3)

TEC 3037 - Sustainable Building Systems Field Study (1-3)

TEC 3520 - Instructional Assistance (1)

TEC 3530-3549 - Selected Topics (1-4)

TEC 3604 - Sustainable Transportation (3)

TEC 3605 - Sustainable Resource Management (3)

TEC 3606 - Sustainable Water and Wastewater Technology (3)

TEC 3609 - [Introduction to PV Technology](#) (3)

TEC 3610 - Computer Applications for Renewable Energy Systems (3)

TEC 3807 - Construction Safety (2)

[TEC 3900 - Internship: Field Experience](#) (3)

TEC 4103 - Leadership in Technical Settings (3)

TEC 4530-4549 - Selected Topics (1-4)

TEC 4628 - Solar Thermal Energy Technology (3)

TEC 4700 - Bioenergy Technology (3)

TEC 4768 - Construction Administration (3)

Minor Not Required

Recommended minors are General Business, Community and Regional Planning, or Sustainable Technology

Free Electives (0 -9 Hours)

To total a minimum of 120 hours for the degree

Total Required (120 Hours)

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