

College of Liberal Arts and Human Sciences
School of Education
Bachelor of Science in Education in Secondary Education
Major in Career and Technical Education - Agricultural Education
For students entering under UG Catalog 2021-2022

GRADUATION REQUIREMENTS

Language Study Requirement - Students who do not complete two years of a single foreign or classical language or American Sign Language in high school, may do so by taking six credits of college-level foreign or classical language or American Sign Language. The six credits used to meet this requirement may not be used to satisfy the minimum number of credits required for graduation.

Credits and GPA – Completion of a minimum of 120 credits with a minimum overall GPA of 2.5; and in-major GPA of 3.0. (In major GPA includes all EDCI, EDCT, and EDEP courses)

Prerequisites - Some courses listed on this checksheet may have pre-/co-requisites; please consult the University Course Catalog or check with your advisor.

Additional Requirements – Students must submit passing scores on required state licensure examinations.

SATISFACTORY PROGRESS TOWARD DEGREE

University Policy 91¹ requires a student to make satisfactory progress towards a degree. Additionally, licensure programs require that by the time a student has completed 72 credits, they must have passed all licensure examinations, carry an in-major GPA of 3.0, and be accepted into the educator preparation program.

PATHWAYS TO GENERAL EDUCATION (42 CREDITS)

**unless otherwise indicated, all courses taken to satisfy Pathways General Education must be taken on an A-F basis*

Concept 1: Discourse (9 credits)

1f - Foundational

- ___ ENGL 1105 First-Year Writing (3 credits)
- ___ ENGL 1106 First-Year Writing (3 credits)

1a - Advanced/Applied

- ___ ALCE 2414 (AINS 2414) Identity and Inclusion in Agriculture and Life Science (Pre: ENGL 1106) (3 credits, also meets Concept 7)

Concept 2: Critical Thinking in the Humanities (6 credits)

- ___ FREC 2554 (LAR 2554) (NR 2554) Leadership for Global Sustainability (3 credits)
- ___ (3 credits)

Concept 3: Reasoning in the Social Sciences (6 credits)

- ___ AAEC 1005 Economics of Food and Fiber System (3 credits)
- ___ AAEC 1006 Economics of Food and Fiber System (3 credits)

Concept 4: Reasoning in the Natural Sciences (6 credits)

- ___ CHEM 1035 General Chemistry (3 credits)
- ___ CHEM 1036 General Chemistry (Co: MATH 1025 or MATH 1225) (3 credits)

Concept 5: Quantitative and Computational Thinking (9 credits)

5f - Foundational

- ___ GEOG 1084 (FREC 1004) Digital Planet (3 credits)
- ___ MATH 1025 Elementary Calculus (3 credits)

5a - Advanced/Applied

- ___ (3 credits)

Concept 6: Critique and Practice in Design and the Arts (6 credits)

6d - Design

- ___ HORT 2164 Floral Design² (3 credits)

6a - Arts

- ___ (3 credits)

Concept 7: Critical Analysis of Identity and Equity in the United States (3 credits)

- ___ ALCE 2414 (AINS 2414) Identity and Inclusion in Agriculture and Life Science (Pre: ENGL 1106) (3 credits, also meets Concept 1a)

¹ <https://policies.vt.edu/91-eligibility-for-continued-enrollment.pdf>

² Additional Fee Required

**BACHELOR OF SCIENCE IN EDUCATION IN SECONDARY EDUCATION COMMON DEGREE CORE REQUIREMENTS³
(21 CREDITS)**

- _____ EDCI 2574 Social Foundations of Education (3 credits)
- _____ EDCI 4554 Educating Exceptional Learners (Pre: Junior Standing) (3 credits)
- _____ EDCI 4724 Secondary School Teaching Methods I (Pre: Junior Standing) (3 credits)
- _____ EDCI 4734 Adolescent Literacy and Reading (3 credits)
- _____ EDCI 4744 Secondary School Teaching Methods II (Pre: 4724) (3 credits)
- _____ EDEP 2374 Educational Psychology for PK-12 Teachers (Pre: Sophomore Standing) (3 credits)
- _____ EDEP 3474 Principles and Practices in PK-12 Assessment (3 credits)

MAJOR IN CAREER AND TECHNICAL EDUCATION - AGRICULTURAL EDUCATION REQUIREMENTS (56 CREDITS)

- _____ ALS 1234 CALS First Year Seminar (1 credit)
- _____ ALCE 3004 Educational Programs in Agricultural and Life Sciences (3 credits)
- _____ ALCE 3624 Communicating Agriculture & Life Sciences in Writing (3 credits)
- _____ ALCE 4064 Ag Mechanical Lab Management (3 credits)
- _____ ALCE/EDCT 4034 Methods of Planning Educational Programs for Agriculture (Pre: ALCE 3004) (3 credits)
- _____ ALCE/EDCT 4884 Youth Program Management (3 credits)
- _____ EDCT 4624 Managing CTE Programs (3 credits)
- _____ APSC 1454 Introduction to Animal & Poultry Science (Co: 1464) (3 credits)
- _____ APSC 1464 Animal and Poultry Science Laboratory (Co: 1454) (1 credit)
- _____ BSE 2094 Introduction to Metal Fabrication (1 credit)
- _____ BSE 2484 Engine and Power Train Technology (Pre: MATH 1016 or MATH 1025) (3 credits)
- _____ CSES 2444 Agronomic Crops (3 credits)
- _____ CSES 3114 (ENSC 3114) (GEOS 3614) Soils (Pre: CHEM 1036. Co: 3124) (3 credits)
- _____ CSES 3124 (ENSC 3124) (GEOS 3624) Soils Laboratory (Co: 3114) (1 credit)
- _____ ENSC 3604 Fundamentals of Environmental Science (Pre: BIOL 1105 or CHEM 1035) (3 credits)
- _____ FREC 2004 Forest Ecosystems (3 credits)
- _____ HORT 2224 Horticulture Science and Industry (2 credits)
- _____ SBIO 2614 Introduction to Forest Products Marketing (3 credits)

Field-Based Requirements (11 credits)

- _____ ALCE 4024 Managing Agricultural Supervised Occupational Experience Project (2 credits)
- _____ EDCT/ALCE 4754 Internship in Education (3 credits)
- _____ EDCT/ALCE 4964 Field Work/Practicum (6 credits)

FREE ELECTIVE COURSES (1 CREDIT)

TOTAL CREDITS 120

³ unless otherwise indicated, all courses must be taken on an A-F basis; courses satisfying degree core requirements may not be double counted to satisfy other areas of a degree.