



# EDUCATION CERTIFICATION PROGRAMS

**MISSION:** Education at Bucknell empowers students to be critical thinkers and creative intellectual leaders in education and human services related fields. Including both disciplinary knowledge and professional preparation, our programs encourage students to explore issues of equity and justice rooted in the historical, philosophical, sociological, and psychological dimensions of education. Coursework in education thus provides students with opportunities to contribute to the common good as they learn about the diverse social contexts of education. Such experiences foster the personal development of our students, as well as those with whom they will ultimately work.

## CERTIFICATION AREAS

### Early Childhood Education (Prek-4)

### Secondary Education (7-12)

- English
- Social Studies
- Math
- Biology
- Chemistry
- Physics

### K-12 Certification

- French
- Spanish
- Music
- Art
- ESL (add-on)



## Rich Field Experiences

Future educators need a variety of opportunities to develop competencies and skills through applied practice. Bucknell's Department of Education is committed to providing meaningful field experiences in local schools and educational settings for students in our programs, even during the first year of study. From observation, exploration, and ultimately to the implementation of original lesson and unit plans, our faculty and staff apply coaching strategies to scaffold and support the skills pre-service teachers require in order to meet the needs of diverse learners.

## EDUCATION CERTIFICATION PROGRAMS

### Early Childhood Education Program (Pre-K-4)

This program combines coursework and field experiences in the following core competency areas: child development and learning; subject matter content and pedagogy; observation, documentation and assessment of student learning; and family and community relationships. Students demonstrate their professionalism and expertise during ongoing field placements and their culminating experience of student teaching.

These are courses required for the major program. Additional courses will be required to complete the College of Arts and Sciences general education curriculum.

### Early Childhood Program Configuration

Year	Fall	Spring
1	EDUC 101 Diversity, Equity and the Foundations of American Education EDUC 235 The Creative Process	EDUC 102 Educational Psychology
2	MATH 203 Introduction to Mathematical Thought EDUC 323 Education of Young Children EDUC 341 Early Literacy	EDUC 321 Disability Studies EDUC 344 Science as Inquiry EDUC 347 Family, School, and Community Partnerships
3	Abroad, if desired. We encourage our students to take advantage of this opportunity. Additional opportunity to take ESL courses for pursuing additional certification.	<b>Junior Block</b> MATH 204 Elementary Geometry/Statistics EDUC 311 Assessment and Differentiation EDUC 313 Reading Self, Community and the World EDUC 324 Explicit Instruction
4	EDUC 349 Elementary Student Teaching (3 Credits) EDUC 449 Professional Seminar (W-2)	EDUC 306 Classroom Management EDUC 375 ESL Methods Instruction and Assessment

### Provisions:

Students should enroll in the major/certification as soon as possible. Enrolling after the first year may be possible if students do so before the start of their second academic year.

➔ **Questions about our elementary program** can be answered by Professors Lori Smolleck at [lsmollec@bucknell.edu](mailto:lsmollec@bucknell.edu); Sarah MacKenzie-Dawson at [skmo11@bucknell.edu](mailto:skmo11@bucknell.edu); Janet VanLone at [janet.vanlone@bucknell.edu](mailto:janet.vanlone@bucknell.edu) or Heather Cantagallo at [hco2o@bucknell.edu](mailto:hco2o@bucknell.edu).

## Secondary/K-12 Education Certification Programs

Secondary/K-12 certification programs are based on a major in the desired content area. Students must plan to take the equivalent of one course per semester in education, and to spend one semester in the senior year in student teaching. Additional courses will be required to complete the College of Arts and Sciences general education curriculum.

### Secondary Certification (7-12)

- Biology
- Chemistry
- English
- Mathematics
- Physics
- Social Studies (major in anthropology, economics, geography, history, political science, psychology or sociology)

### K-12 Certification

- Art
- French
- Spanish
- Music (please contact professor Nicholas Roseth, nero08@bucknell.edu for information about music certification)

## English as a Second Language (ESL) Program Specialist Certification

Students pursuing certification in Pre-K-4 Early Childhood Education, or secondary certification may also earn the ESL Program Specialist certification. Upon completion of the coursework, internship, and portfolio requirements, candidates may be recommended to the additional ESL Program Specialist certification to the initial certificate. Students must complete a sequence of courses including: LING 105 or LING 110, EDUC 275, EDUC 311, EDUC 318 or EDUC 227, and EDUC 375 (a course including an internship with a certified ESL teacher).

### CONTACT

Please contact Professor Grace Kim, jykoo2@bucknell.edu; or Heather Cantagallo at hco20@bucknell.edu for more information.



## Secondary/K-12 Certification Configuration

### Year 1 Fall

EDUC 101 Diversity, Equity and the Foundation of American Education

### Year 1 Spring

EDUC 102 Educational Psychology

### Year 2 Fall

EDUC 334/335 Child/Adolescent Development

### Year 2 Spring

EDUC 306 Classroom Management  
EDUC 311 Assessment and Differentiation  
EDUC 375 ESL Methods Instruction and Assessment

### Year 3 Fall

Abroad or EDUC 334/335 and/or  
EDUC 340 K-12/7-12 Field Experience  
(1/2 credit field placement fall or spring)

### Year 3 Spring

Abroad or EDUC 311 and/or EDUC 375  
and/or EDUC 306 and/or  
EDUC 340 K-12/7-12 Field Experience  
(1/2 credit field placement fall or spring)

### Year 4 Fall

Teaching of courses with field placements.

### Year 4 Spring

Secondary Student Teaching and Seminar  
EDUC 359 (3 courses) and EDUC 459 (W-2)

## ➔ Do you have general questions or want to talk about our secondary/K-12 program?

Please contact Professor Abe Feuerstein, abe.feuerstein@bucknell.edu; or Heather Cantagallo at hco20@bucknell.edu.

## ALL STUDENTS INTERESTED IN STUDIES IN EDUCATION

Students can earn a Bachelor of Science degree in Education (BSED) in Early Childhood Education (Pre-K-4), a Bachelor of Arts (B.A.) in Education, or certification to teach a secondary (7-12) or K-12 subject, with a major in that content area.

- If you wish to prepare for certification to teach Early Childhood Education (pre-K-4), then you should pursue the **BSED** degree.
- If you do not intend to seek teacher certification, but are considering the study of education as a social science, then you should pursue the **B.A.** degree in education. Many of our students combine their interests and double major in education along with such subjects as psychology, sociology, and economics.
- If you wish to prepare for certification to teach at the secondary level (grades 7-12), or K-12 level (world language or art) then you should begin your studies for the **B.A. or the B.S. in the content area** related to your subject area. Sample course sequences for the various areas of teacher preparation are available at the Education department website: [bucknell.edu/education](http://bucknell.edu/education).
- No matter which degree program you decide to pursue, it will be necessary for you to fulfill the University's writing requirement and to distribute your courses according to the College of Arts and Science's curriculum. These requirements are listed in the Bucknell University catalog<sup>7</sup>.
- If you seek teacher certification, no matter which degree program or content area, it will be necessary for you to earn and maintain a **3.0 grade point average** in all courses required for certification and to fulfill all course work designated to meet requirements set by the Commonwealth of Pennsylvania. These requirements are provided in greater detail at the department website, but they include:
  - a. One course in English/American Literature in addition to any course taken to meet the University's W1 composition requirement.
  - b. Two course in Mathematics (see department website for options for meeting this requirement).
- If you plan to study abroad during your time at Bucknell, careful consultation with your education advisor is needed as there are some required certification courses that are offered only once per year, or once every other year.
- Teaching certification requires completion of necessary courses, including a semester of student teaching in the senior year, and passing scores on all required basic skills tests, or accepted alternates.
- All certification programs require significant in-school field experiences prior to student teaching. **Students must be able to obtain all necessary clearances to work in local schools.**

## CULTIVATING CRITICAL THINKING AND EQUITY-ORIENTATION

Our aim is to help students develop professional dispositions in critical thinking, ethics, and leadership so that they will be able to help others maximize their opportunities for success in inclusive educational environments. Through our work together, we engage intellect, affect and action, inviting students to consider how to best understand and engage with issues of inequality in education and other social institutions.

## FOSTERING ENGAGED LEARNING AND APPLIED KNOWLEDGE

Our programs are designed to enhance students' ability to apply their understanding of the social dynamics of education, theories of human development, learning, instruction, and behavior to a multitude of professional contexts. Well-embedded in the curricular commitments of the university and reflective of the diversity of faculty expertise within the department, we facilitate our students' engagement in a variety of high impact educational practices, including writing-intensive courses, undergraduate research, ePortfolios, service and community-based learning, and internships, including student teaching.

