

# Education: Secondary Education (EDSC)

## School of Education

Secondary Education Program (<https://www.uaf.edu/soe/academics.php>)  
907-474-7341

### EDSC F110 Becoming a Middle/High School Teacher

1 Credit

Offered Fall and Spring

This course familiarizes students with requirements for becoming a middle or high school teacher. Advisors from the School of Education, guest presenters from area school districts address issues pertaining to licensure and teaching. Current issues in secondary teaching are addressed. Participation in a secondary classroom is required.

**Lecture + Lab + Other:** 1 + 0 + 0

**Grading System:** Letter Grades with option of Plus/Minus

### EDSC F205 Introduction to Secondary Education

3 Credits

Offered Spring

Introduction to the profession of teaching in middle/high school. Incorporates historical, cultural and sociological factors, with attention to the Alaska context influencing current practice. Students will have the opportunity to explore current issues and reform facing educators today and to observe master teachers in the field.

**Prerequisites:** WRTG F111X; sophomore standing.

**Lecture + Lab + Other:** 3 + 0 + 0.5

**Grading System:** Letter Grades with option of Plus/Minus

### EDSC F407 Developing Literacy in the Content Areas

3 Credits

Offered Fall and Summer

Preparation for secondary teachers to integrate listening, speaking, reading, writing, viewing and meaning-making strategies into a content area of the classroom. Students examine and evaluate learning theories related to literacy development and varied methods of instruction and assessment to help design and develop an appropriate pedagogical model for teaching.

**Recommended:** Completion of a freshman academic writing course, EDSC F205 or EDSC F415, and junior standing.

**Lecture + Lab + Other:** 3 + 0 + 0

**Grading System:** Letter Grades with option of Plus/Minus

### EDSC F414 Learning, Development and Special Needs Instruction

3 Credits

Offered As Demand Warrants

Survey of learning theory, adolescent development and special needs instruction. Attention will be given to the cognitive, social and moral theories of development, and to current theories of learning. Consideration will be given to cultural and individual differences among learners including those with special needs.

**Prerequisites:** WRTG F111X; junior standing or above.

**Stacked with** EDSC F614.

**Special Notes:** Completion of EDSC F205 or EDSC F415 is recommended prior to enrollment in this course.

**Lecture + Lab + Other:** 3 + 0 + 0

**Grading System:** Letter Grades with option of Plus/Minus

### EDSC F415 Foundations of Modern Educational Practice

3 Credits

Offered Fall and Summer

Historical, political, sociological and curricular foundations of secondary education in the U.S. with particular attention to Alaska. For pre-service teachers to understand and reflect on the teaching profession at the secondary level and to explore current issues and controversies confronting education at national, state and local levels.

**Prerequisites:** WRTG F111X; sophomore standing.

**Lecture + Lab + Other:** 3 + 0 + 0

**Grading System:** Letter Grades with option of Plus/Minus

### EDSC F431 Secondary Instruction and Assessment in the Content Area

3 Credits

Offered As Demand Warrants

Methodologies of instruction and assessment in the candidate's specific content area. Course is taught by content specialists. Discusses current issues, methodologies and teaching strategies specific to the various disciplines. A maximum of nine credits may be earned.

**Prerequisites:** Admission to the secondary post-baccalaureate licensure program.

**Stacked with** EDSC F631.

**Lecture + Lab + Other:** 3 + 0 + 0

**Grading System:** Letter Grades with option of Plus/Minus

**Repeatable for Credit:** May be taken 2 times for up to 9 credits

### EDSC F432 English/Language Arts Secondary Instruction and Assessment

3 Credits

Offered Fall

Methodologies of instruction and assessment in English/language arts. Course is taught by content specialists. Includes discussion of current issues, methodologies and teaching strategies specific to English/language arts.

**Prerequisites:** Admission to the Internship year.

**Stacked with** EDSC F632.

**Lecture + Lab + Other:** 3 + 0 + 0

**Grading System:** Letter Grades with option of Plus/Minus

### EDSC F433 Mathematics Secondary Instruction and Assessment

3 Credits

Offered Fall

Methodologies of instruction and assessment in mathematics. Course is taught by content specialists. Includes discussion of current issues, diverse methodologies and practical application lessons for teaching mathematics.

**Prerequisites:** Admission to Internship year.

**Stacked with** EDSC F633.

**Lecture + Lab + Other:** 3 + 0 + 0

**Grading System:** Letter Grades with option of Plus/Minus

### EDSC F434 Science Secondary Instruction and Assessment

3 Credits

Offered Fall

Methodologies of instruction and assessment in science. Course is taught by content specialists. Includes discussion of current issues, diverse methodologies, inquiry-based lessons, laboratory experiences and field trips for teaching science.

**Prerequisites:** Admission to Internship year.

**Stacked with** EDSC F634.

**Lecture + Lab + Other:** 3 + 0 + 0

**Grading System:** Letter Grades with option of Plus/Minus

**EDSC F435 Social Studies Secondary Instruction and Assessment**

3 Credits

Offered Fall

Methodologies of instruction and assessment in social studies. Course is taught by content specialists. Includes discussion of current issues, diverse methodologies, project-based activities and community-as-laboratory experiences for teaching social studies.

**Prerequisites:** Admission to the Internship year.

**Stacked with** EDSC F635.

**Lecture + Lab + Other:** 3 + 0 + 0

**Grading System:** Letter Grades with option of Plus/Minus

**EDSC F436 Art Secondary Instruction and Assessment**

3 Credits

Offered Fall and Spring

Methodologies of instruction and assessment in art. Course is taught by content specialists. Includes discussion of current issues, methodologies and teaching strategies specific to arts.

**Prerequisites:** Admission to Internship year.

**Stacked with** EDSC F636.

**Lecture + Lab + Other:** 3 + 0 + 0

**Grading System:** Letter Grades with option of Plus/Minus

**EDSC F437 World Language Secondary Instruction and Assessment**

3 Credits

Offered Fall

Methodologies of instruction and assessment in world languages. Course is taught by content specialists. Includes discussion of current issues, diverse methodologies, and current application of teaching strategies and assessment specific to world languages.

**Prerequisites:** Admission to the Internship year.

**Stacked with** EDSC F637.

**Lecture + Lab + Other:** 3 + 0 + 0

**Grading System:** Letter Grades with option of Plus/Minus

**EDSC F442 Technology Applications in Education I**

1 Credit

Offered Fall

Focuses on instruction in educational technology and applications as a resource for the delivery of secondary classroom instruction to enhance student learning. Introduces students to technology tools to create, implement, and assess instructional material in a variety of media relative to International Society for Technology in Education (ISTE) Standards.

**Prerequisites:** Admission to the Internship year.

**Stacked with** EDSC F642.

**Lecture + Lab + Other:** 1 + 0 + 0

**Grading System:** Letter Grades with option of Plus/Minus

**EDSC F443 Technology Application in Education II**

2 Credits

Offered Spring

Facilitates students' use of technology tools to create and implement instructional material in a variety of media to support instruction and assess learning. Participants will develop an electronic portfolio that demonstrates professional development and achievement in their student teaching relative to International Society for Technology in Education (ISTE) Standards.

**Prerequisites:** Successful completion of EDSC F442.

**Stacked with** EDSC F643.

**Lecture + Lab + Other:** 2 + 0 + 0

**Grading System:** Letter Grades with option of Plus/Minus

**EDSC F453 Secondary Internship**

3-15 Credits

Offered As Demand Warrants

Supervised teaching in secondary schools approved by the School of Education. Students should expect to be involved in the school setting for some or all of the school day (depending on the number of credits taken) for the entire university semester. The School of Education may limit enrollment, determine assignments. Passing Praxis I scores.

**Prerequisites:** COM F131X or COM F141X; and successful completion of methods practicum and methods coursework with a C or better.

**Special Notes:** Post-baccalaureate students must be admitted to K-12 Art licensure program.

**Lecture + Lab + Other:** 1 + 0 + 42

**Grading System:** Pass/Fail Grades

**EDSC F457 Multicultural Education and School-community Relations**

3 Credits

Offered Spring

Through a distinct Alaska lens, focuses on multicultural education and development of positive school-community relationships. Encourages pre-service educators to identify their own identity, philosophy and culture, and to value students' identities and cultures as they instruct students. Helps educators clarify the value and impact of diversity on learning and classrooms.

**Prerequisites:** Admission to Internship year.

**Stacked with** EDSC F657.

**Lecture + Lab + Other:** 3 + 0 + 0

**Grading System:** Letter Grades with option of Plus/Minus

**EDSC F458 Classroom Organization and Management**

3 Credits

Offered Fall

Focus on establishment of a positive learning environment through a review of best practices in classroom management. Investigate techniques for positive student-teacher interactions, setting norms and routines, reinforcing expectations, and communicating effectively with parents. Culminates in development of a research-based classroom management plan. Field experience in a secondary classroom required.

**Prerequisites:** WRTG F111X; junior standing or above.

**Recommended:** Completion of EDSC F205 or EDSC F415 prior to enrollment in this course.

**Stacked with** EDSC F658.

**Lecture + Lab + Other:** 3 + 0 + 0

**Grading System:** Letter Grades with option of Plus/Minus

**EDSC F471 Secondary and Art K-12 Teaching: School Internship I and Seminar**

3 Credits

Offered Fall

Supervised observation and teaching in secondary schools and K-12 art classroom placements approved by the School of Education. Seminar topics may include school-community relations, special needs, curriculum development, teaching strategies and technology integration. The School of Education may limit enrollment and cancel registration of candidates doing unsatisfactory work.

**Prerequisites:** Admission to secondary post-baccalaureate program, art K-12 licensure program or to the internship year of the Secondary Education BA.

**Stacked with** EDSC F671.

**Lecture + Lab + Other:** 1 + 3 + 15

**Grading System:** Pass/Fail Grades

**EDSC F472 Secondary Teaching: School Internship II and Seminar**

6-9 Credits

Offered Spring

Supervised observation and teaching in secondary schools approved by the School of Education. Seminar topics may include special attention to school-community relations, special needs, curriculum development, teaching strategies and integration of technology across the curriculum. Credits may be added upon completion of designated special projects developed by students and faculty.

**Prerequisites:** COM F131X or COM F141X; admission to the secondary post-baccalaureate licensure program, art K-12 licensure program, or to the internship year of the Secondary Education BA.

**Stacked with** EDSC F672.

**Special Notes:** The School of Education may limit enrollment, determine assignments and cancel registration of candidates doing unsatisfactory work.

**Lecture + Lab + Other:** 1 + 6 + 29

**Grading System:** Pass/Fail Grades

**EDSC F614 Learning, Development and Special Needs Instruction**

3 Credits

Offered As Demand Warrants

Survey of learning theory, adolescent development and special needs instruction. Attention will be given to the cognitive, social and moral theories of development, and to current theories of learning. Consideration will be given to cultural and individual differences among learners including those with special needs.

**Stacked with** EDSC F414.

**Special Notes:** Completion of EDSC F205 or EDSC F415 is recommended prior to enrollment in this course.

**Lecture + Lab + Other:** 3 + 0 + 0

**Grading System:** Letter Grades with option of Plus/Minus

**EDSC F631 Secondary Instruction and Assessment in the Content Area**

3 Credits

Offered As Demand Warrants

Methodologies of instruction and assessment in the candidate's specific content area. Course is taught by content specialists. Discusses current issues, methodologies and teaching strategies specific to the various disciplines. A maximum of nine credits may be earned.

**Prerequisites:** Admission to the secondary post-baccalaureate licensure program.

**Stacked with** EDSC F431.

**Lecture + Lab + Other:** 3 + 0 + 0

**Grading System:** Letter Grades with option of Plus/Minus

**Repeatable for Credit:** May be taken 2 times for up to 9 credits

**EDSC F632 English/Language Arts Secondary Instruction and Assessment**

3 Credits

Offered Fall

Methodologies of instruction and assessment in English/language arts. Course is taught by content specialists. Includes discussion of current issues, methodologies and teaching strategies specific to English/language arts.

**Prerequisites:** Admission to Internship year.

**Stacked with** EDSC F432.

**Lecture + Lab + Other:** 3 + 0 + 0

**Grading System:** Letter Grades with option of Plus/Minus

**EDSC F633 Mathematics Secondary Instruction and Assessment**

3 Credits

Offered Fall

Methodologies of instruction and assessment in mathematics. Course is taught by content specialists. Includes discussion of current issues, diverse methodologies and practical application lessons for teaching mathematics.

**Prerequisites:** Admission to Internship year.

**Stacked with** EDSC F433.

**Lecture + Lab + Other:** 3 + 0 + 0

**Grading System:** Letter Grades with option of Plus/Minus

**EDSC F634 Science Secondary Instruction and Assessment**

3 Credits

Offered Fall

Methodologies of instruction and assessment in science. Course is taught by content specialists. Includes discussion of current issues, diverse methodologies, inquiry-based lessons, laboratory experiences and field trips for teaching science.

**Prerequisites:** Admission to the Internship year.

**Stacked with** EDSC F434.

**Lecture + Lab + Other:** 3 + 0 + 0

**Grading System:** Letter Grades with option of Plus/Minus

**EDSC F635 Social Studies Secondary Instruction and Assessment**

3 Credits

Offered Fall

Methodologies of instruction and assessment in social studies. Course is taught by content specialists. Includes discussion of current issues, diverse methodologies, project-based activities and community-as-laboratory experiences for teaching social studies.

**Prerequisites:** Admission to Internship year.

**Stacked with** EDSC F435.

**Lecture + Lab + Other:** 3 + 0 + 0

**Grading System:** Letter Grades with option of Plus/Minus

**EDSC F636 Art Secondary Instruction and Assessment**

3 Credits

Offered Fall and Spring

Methodologies of instruction and assessment in art. Course is taught by content specialists. Includes discussion of current issues, methodologies and teaching strategies specific to arts.

**Prerequisites:** Admission to Internship year.

**Stacked with** EDSC F436.

**Lecture + Lab + Other:** 3 + 0 + 0

**Grading System:** Letter Grades with option of Plus/Minus

**EDSC F637 World Language Secondary Instruction and Assessment**

3 Credits

Offered Fall

Methodologies of instruction and assessment in world languages. Course is taught by content specialists. Includes discussion of current issues, diverse methodologies, and current application of teaching strategies and assessment specific to world languages.

**Prerequisites:** Admission to the Internship year.

**Stacked with** EDSC F437.

**Lecture + Lab + Other:** 3 + 0 + 0

**Grading System:** Letter Grades with option of Plus/Minus

**EDSC F642 Technology Applications in Education I**

1 Credit

Offered Fall

Focuses on instruction in educational technology and applications as a resource for the delivery of secondary classroom instruction to enhance student learning. Introduces students to technology tools to create, implement, and assess instructional material in a variety of media relative to International Society for Technology in Education (ISTE) Standards.

**Prerequisites:** Admission to the Internship year.

**Stacked with** EDSC F442.

**Lecture + Lab + Other:** 1 + 0 + 0

**Grading System:** Letter Grades with option of Plus/Minus

**EDSC F643 Technology Application in Education II**

2 Credits

Offered Spring

Facilitates students' use of technology tools to create and implement instructional material in a variety of media to support instruction and assess learning. Participants will develop an electronic portfolio that demonstrates professional development and achievement in their student teaching relative to International Society for Technology in Education (ISTE) Standards.

**Prerequisites:** Successful completion of EDSC F642.

**Stacked with** EDSC F443.

**Lecture + Lab + Other:** 2 + 0 + 0

**Grading System:** Letter Grades with option of Plus/Minus

**EDSC F657 Multicultural Education and School-community Relations**

3 Credits

Offered Spring

Through a distinct Alaska lens, focuses on multicultural education and development of positive school-community relationships. Encourages pre-service educators to identify their own identity, philosophy and culture, and to value students' identities and cultures as they instruct students. Helps educators clarify the value and impact of diversity on learning and classrooms.

**Prerequisites:** Admitted to the Internship year.

**Stacked with** EDSC F457.

**Lecture + Lab + Other:** 3 + 0 + 0

**Grading System:** Letter Grades with option of Plus/Minus

**EDSC F658 Classroom Organization and Management**

3 Credits

Offered Fall

Focus on establishment of a positive learning environment through a review of best practices in classroom management. Investigate techniques for positive student-teacher interactions, setting norms and routines, reinforcing expectations, and communicating effectively with parents. Culminates in development of a research-based classroom management plan. Field experience in a secondary classroom required.

**Stacked with** EDSC F458.

**Lecture + Lab + Other:** 3 + 0 + 0

**Grading System:** Letter Grades with option of Plus/Minus

**EDSC F671 Secondary and Art K-12 Teaching: School Internship I and Seminar**

3 Credits

Offered Fall

Supervised observation and teaching in secondary schools and K-12 art classroom placements approved by the School of Education. Seminar topics may include school-community relations, special needs, curriculum development, teaching strategies and technology integration. The School of Education may limit enrollment and cancel registration of candidates doing unsatisfactory work.

**Prerequisites:** Admission to secondary post-baccalaureate licensure program.

**Stacked with** EDSC F471.

**Lecture + Lab + Other:** 1 + 3 + 15

**Grading System:** Pass/Fail Grades

**EDSC F672 Secondary Teaching: School Internship II and Seminar**

6-9 Credits

Offered Spring

Supervised observation and teaching in secondary schools approved by the School of Education. Seminar topics may include special attention to school-community relations, special needs, curriculum development, teaching strategies and integration of technology across the curriculum. Credits may be added upon completion of designated special projects developed by students and faculty.

**Prerequisites:** Admission to the secondary post-baccalaureate licensure program.

**Stacked with** EDSC F472.

**Special Notes:** The School of Education may limit enrollment, determine assignments and cancel registration of candidates doing unsatisfactory work.

**Lecture + Lab + Other:** 1 + 6 + 29

**Grading System:** Pass/Fail Grades

**EDSC F687 Alaska: Resources, People and Perspectives**

3 Credits

Offered Spring and Summer

Introduces a broad range of essential Alaska information for educators including information on history, geography, literature, economics and politics.

**Lecture + Lab + Other:** 3 + 0 + 0

**Grading System:** Letter Grades with option of Plus/Minus