EDUCATION: SECONDARY EDUCATION (EDSC)

School of Education (https://www.uaf.edu/soe/)
Secondary Education (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

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

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

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. Completion of EDSC F205 or EDSC F415 is recommended prior to enrollment in this course.
Prerequisites: WRTG F111X; junior standing or above.
Stacked with EDSC F614.
Lecture + Lab + Other: 3 + 0 + 0

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

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

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

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

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
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

EDSC F436  Art Secondary Instruction and Assessment
3 Credits
Offered Fall
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

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

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

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

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

EDSC F458  Classroom Organization and Management
3 Credits
Offered Fall
Focus on establishment of a positive learning environment, development
of a successful discipline plan consistent with an educator’s philosophy
of education and a review of the major discipline models. Candidates
will examine the role that factors such as culture, gender, interest, ability
and exceptionality play in student’s behavior. Techniques to maintain
positive student-teacher interactions in the classroom and establish a
positive relationship with parents. Developing strategies to incorporate
local knowledge and community culture in to classroom practice. Field
experience 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

EDSC F471  Secondary Teaching: School Internship I and Seminar
3 Credits
Offered Fall
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 the integration of technology across the
curriculum. The School of Education may limit enrollment, determine
assignments and cancel registration of candidates doing unsatisfactory
work.
Prerequisites: Admission to secondary post-baccalaureate licensure
program.
Stacked with EDSC F671.
Lecture + Lab + Other: 1 + 3 + 15

EDSC F472  Secondary Teaching: School Internship II and Seminar
3-9 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 the integration of technology across the
curriculum. Credits may be added upon completion of designated special
projects developed by students and faculty. The School of Education
may limit enrollment, determine assignments and cancel registration of
candidates doing unsatisfactory work.
Prerequisites: COJO F131X, COJO F141X; admission to the secondary
post-baccalaureate licensure program.
Stacked with EDSC F672.
Lecture + Lab + Other: 1 + 6 + 29
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. Completion of EDSC F205 or EDSC F415 is recommended prior to enrollment in this course.
Stacked with EDSC F414.
Lecture + Lab + Other: 3 + 0 + 0

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

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

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

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

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

EDSC F636  Art Secondary Instruction and Assessment
3 Credits
Offered Fall
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

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

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

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 assessment in the classroom. 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
**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

**EDSC F658  Classroom Organization and Management**  
3 Credits  
Offered Fall  
Focus on establishment of a positive learning environment, development of a successful discipline plan consistent with an educator’s philosophy of education and a review of the major discipline models. Candidates will examine the role that factors such as culture, gender, interest, ability and exceptionality play in student's behavior. Techniques to maintain positive student-teacher interactions in the classroom and establish a positive relationship with parents. Developing strategies to incorporate local knowledge and community culture in to classroom practice. Field experience required. Completion of EDSC F205 or EDSC F415 is recommended prior to enrollment in this course.  
**Stacked with** EDSC F458.  
**Lecture + Lab + Other:** 3 + 0 + 0

**EDSC F671  Secondary Teaching: School Internship I and Seminar**  
3 Credits  
Offered Fall  
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 the integration of technology across the curriculum. The School of Education may limit enrollment, determine assignments 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

**EDSC F672  Secondary Teaching: School Internship II and Seminar**  
3-9 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 the integration of technology across the curriculum. Credits may be added upon completion of designated special projects developed by students and faculty. The School of Education may limit enrollment, determine assignments and cancel registration of candidates doing unsatisfactory work.  
**Prerequisites:** COJO F131X, COJO F141X; admission to the secondary post-baccalaureate licensure program.  
**Stacked with** EDSC F472.  
**Lecture + Lab + Other:** 1 + 6 + 29