

EDUCATION (ED)

A grade of C or better is required for prerequisite courses.

ED 102 Teaching as a Career 1(1-1)

As Needed.

Orientation to teaching and teacher education. Not required for teacher certification.

Prerequisites: None.

Corequisites: None.

Registration Information: Class sessions and classroom observation required.

ED 202 Foundations of Education 3(3-0)

Fall, Spring, Summer.

Historical, philosophical and sociological dimensions of education including legal and financial challenges associated with the institution of education. 30 hours field experience required.

Prerequisite: None.

Corequisite: None.

Registration Information: None.

ED 280 Educational Media and Technology 3(3-0)

Fall, Spring, Summer.

Prepares teachers to use technology for instruction, assessment, management, and research.

Prerequisite: None.

Corequisites: None.

Registration Information: None.

ED 294 Field Experience (1-12 V)

As Needed.

Field experience in an educational setting.

Prerequisite: None.

Corequisite: None.

Registration Information: Not applicable to teacher certification.

ED 305 Frameworks of Teaching 3(3-0)

Fall, Spring, Summer.

Includes approaches to designing learner-centered classroom communities through applications of standards-based instruction, effective planning and assessment; 30 hours of field experience.

Prerequisites: None.

Corequisites: None.

Registration Information: Requires completion of 30 credit hours and 2.600 cumulative GPA.

ED 315 Epistemology of Learning 3(3-0)

As Needed.

Philosophical exploration of ways of knowing, knowledge construction, comprehension of knowledge, and demonstration of knowledge.

Prerequisites: None.

Corequisites: None.

Registration Information: None.

ED 351 Children's Literature 3(3-0)

Fall, Summer.

Classic and contemporary children's literature with emphasis on selection and evaluation.

Prerequisite: ENG 102.

Corequisite: None.

Registration Information: Repeatable (99).

ED 380 Integrated Methods in Elementary 3(3-0)

As Needed, Fall, Spring.

Methods of integrating various content areas into the elementary curriculum, with emphasis on the expressive arts and PE. Requires 20 hours of field experience.

Prerequisite: None.

Corequisite: None.

Registration Information: Requires admission to the School of Education.

ED 400 Workshop (1-3 V)

As Needed.

Designed for special activity-oriented experiences to be conducted in short sessions. Each workshop has a subtitle and no subtitle may be repeated for credit.

Prerequisite: None.

Corequisite: None.

Registration Information: Repeatable (99).

ED 406 Behavioral Support 3(3-0)

Summer.

Prepares teachers to implement individual, classroom-wide and school-wide behavioral supports and interventions. Field experience required.

Prerequisite: None.

Corequisite: None.

Registration Information: Admission to School of Education.

ED 407 Levels of Support I 3(3-0)

Spring.

Prepares teachers to teach students with special needs in inclusive environments, with emphasis on literacy, math, and academic interventions. Field experience required.

Prerequisite: None.

Corequisite: None.

Registration Information: Admission to School of Education.

ED 408 Levels Of Support II 3(3-0)

Fall.

Addresses effective instruction for secondary students, including transition planning. Field experience required.

Prerequisite: None.

Corequisite: None.

Registration Information: Beginning reading course strongly recommended as a prerequisite. Admission to School of Education.

ED 409 Levels Of Support III 3(3-0)

Summer.

Focuses on instructional programs for K-12 students with severe learning and behavioral challenges. Field experience required.

Prerequisite: None.

Corequisite: None.

Registration Information: Admission to School of Education.

ED 410 Collaboration in Education 3(3-0)

Summer.

Supports skills at co-teaching, teaming, and collaboration with teachers, families, paraprofessionals, and others to strengthen student achievement. Field experience required.

Prerequisite: None.

Corequisite: None.

Registration Information: Admission to School of Education.

ED 412 Teaching Diverse Learners 3(3-0)

Fall, Spring.

Focuses on legislation for special education, nature of exceptionalities, and meeting the needs of K-12 students, including second language learners. 30 hours field experience.

Prerequisite: None.

Corequisite: None.

Registration Information: Admission to School of Education.

ED 413 Teaching Social Studies in the Elementary School 3(3-0)

Fall, Spring, Summer.

An inquiry into the trends of elementary social studies curriculum, instruction, and assessment. Field experience required (20 hours).

Prerequisite: None.

Corequisite: None.

Registration Information: Admission to the School of Education required.

ED 414 Teaching Elementary Science & Health 3(3-0)

Fall, Spring.

An inquiry into the trends of elementary science and health curriculum, instruction, and assessment. Field experience required (20 hours).

Prerequisite: None.

Corequisite: None.

Registration Information: Admission to the School of Education required.

ED 417 Teaching Mathematics in Elementary School I 3(3-0)

As Needed, Fall.

An inquiry into the trends of elementary (P-2) mathematics curriculum, instruction, and assessment. Field experience required (20 hours).

Prerequisite: MATH 361.

Corequisite: None.

Registration Information: Admission to the School of Education required.

ED 418 Teaching Mathematics in Elementary School II 3(3-0)

As Needed, Spring.

An inquiry into the trends of elementary (Grades 3-6) mathematics curriculum, instruction, and assessment. Field experience required (20 hours).

Prerequisites: ED 417.

Corequisites: None.

Registration Information: Admission to the School of Education required.

ED 421 Classroom Integration of Internet 2(2-0)

As Needed.

Methods to effectively and legally integrate the Internet into the classroom as a communication and instructional tool.

Prerequisite: ED 280.

Corequisite: None.

Registration Information: Admission to School of Education.

ED 422 Teaching Linguistically Diverse & Gifted Learners 3(3-0)

As Needed.

This course prepares educators to support culturally and linguistically diverse (CLD) gifted students. It addresses underrepresentation and embraces diverse perspectives on giftedness.

Prerequisites: None.

Corequisites: None.

Registration Information: Admission to the School of Education required.

ED 423 Teaching and Managing Technology 3(3-0)

As Needed.

Strategies, processes, and procedures for managing technology in K-12, including efficient use of emerging pedagogies.

Prerequisite: ED 280.

Corequisite: None.

Registration Information: Admission to School of Education.

ED 427 Productivity Tools for Classroom 1(1-0)

As Needed.

Applications of Microsoft Office as a productivity tool, including integration of use in classroom. Field experience required.

Prerequisite: ED 280.

Corequisite: None.

Registration Information: Admission to School of Education.

ED 428 Integration of Educational Software 1(1-0)

As Needed.

Familiarity with and criteria for selecting evaluating, and using quality educational software. Field experience required.

Prerequisite: ED 280.

Corequisite: None.

Registration Information: Admission to School of Education.

ED 429 Literacy & Technology 3(3-0)

Summer.

Methods for using technology to assess and teach literacy.

Prerequisite: ED 280.

Corequisite: None.

Registration Information: Admission to School of Education.

ED 431 Diverse Learners & Technology 3(3-0)

Summer.

Strategies for using technology to enhance learning for all students, with emphasis on the relationship between technology and equity. Field experience required.

Prerequisite: ED 280.

Corequisite: None.

Registration Information: Admission to School of Education.

ED 432 Hardware & Networking for Educators 3(3-0)

As Needed.

Pedagogical and practical considerations in using networking and hardware in schools.

Prerequisite: ED 280.

Corequisite: None.

Registration Information: Admission to School of Education.

ED 433 Instructional Theory & Tech Design 3(3-0)

As Needed.

Instructional system design theories and models and their adaptation to plan and use technology effectively in the classroom. Field experience required.

Prerequisite: ED 280.

Corequisite: None.

Registration Information: Admission to School of Education.

ED 434 Multimedia Design 3(3-0)

Summer.

Methods and tools for creating multimedia learning objects for K-12 classrooms. Field experience required.

Prerequisite: ED 280.

Corequisite: None.

Registration Information: Admission to School of Education.

ED 435 Classroom Management 3(2-3)

As Needed.

Includes general teaching methods and strategies, learning theories applied to teaching discipline, curriculum educational measurement and evaluation, school organization and school law applicable to classroom teachers. Field experience required.

Prerequisite: None.

Corequisite: None.

Registration Information: Admission to School of Education.

ED 436 Technology & Assessment Tools 3(3-0)

As Needed.

Prepares teachers to use technology in assessment practices in the classroom.

Prerequisite: None.

Corequisite: None.

Registration Information: Admission to School of Education.

ED 441 Family Engagement 3(3-0)

As Needed.

This course explores ways to develop healthy relationships with families and communities to enhance parental and community stakeholder involvement to support P-12 education.

Prerequisites: None.

Corequisites: None.

Registration Information: Admission to the School of Education required.

ED 444 Teaching Secondary Science 4(3-2)

Fall.

Focuses on teaching methods, materials, and assessment strategies necessary to prepare students to teach in secondary standards-based science classrooms. 60 hours of field experience.

Prerequisite: None.

Corequisite: None.

Registration Information: Admission to School of Education.

ED 445 Assessment & Data Driven Instruction 3(3-0)

Fall.

Prepares teachers to select, administer, and interpret formal and informal assessments to improve instruction. Field experience required.

Prerequisite: None.

Corequisite: None.

Registration Information: Admission to School of Education.

ED 446 Teaching K-12 Art 4(3-2)

Fall.

Focuses on art curriculum, methods, and assessment to prepare art educators to successfully teach in K-12 standards-based art classrooms. 60 hours of field experience.

Prerequisite: None.

Corequisite: None.

Registration Information: Admission to School of Education.

ED 447 Teaching English in Secondary Schools 4(3-2)

Fall.

Focuses on teaching methods, materials, unit planning, and assessment strategies necessary to prepare students to teach in secondary English Language Arts classrooms. 60 hours of field experience.

Prerequisite: None.

Corequisite: None.

Registration Information: Admission to School of Education.

ED 448 Teaching Foreign Language (K-12) 4(0-12)

Fall.

Familiarizes students with Colorado foreign language standards, standards-based lesson and unit planning, and authentic assessment. 60 hours of field experience.

Prerequisite: None.

Corequisite: None.

Registration Information: Admission to School of Education.

ED 451 Teaching Secondary Social Studies 4(3-2)

As Needed, Fall.

Familiarizes students with the Colorado content standards, including standards-based lesson and unit planning strategies and authentic assessment. 60 hours of field experience.

Prerequisite: None.

Corequisite: None.

Registration Information: Admission to School of Education.

ED 452 Teaching Secondary Business 4(3-2)

As Needed.

Prepares teachers to teach all areas of the business curriculum in secondary schools. 60 hours of field experience.

Prerequisite: None.

Corequisite: None.

Registration Information: Admission to School of Education.

ED 460 Classroom Management 3(3-0)

As Needed.

Exploration of theories related to classroom management and engagement to create positive, authentic learning environments. Field experience required.

Prerequisites: None.

Corequisites: None.

Registration Information: Admission to the School of Education required.

ED 481 Practicum & Seminar in Education (3-6 V)

As Needed.

Supervised practicum and seminar in second teaching or endorsement area.

Prerequisite: None.

Corequisite: None.

Registration Information: Admission to School of Education. Repeatable (99).

ED 485 Capstone Seminar in Education 1(1-0)

As Needed.

Explores substantive issues facing teacher, including meeting the needs of at-risk students; creating inclusive, equitable learning communities, and methods of effective inquiry in education.

Prerequisite: None.

Corequisite: None.

Registration Information: None.

ED 487 Student Teaching Elementary (6-12 V)

As Needed.

Student teaching at the elementary level.

Prerequisite: None.

Corequisite: None.

Registration Information: None.

ED 488 Student Teaching Secondary (6-12 V)

As Needed.

Student teaching at the secondary level.

Prerequisite: None.

Corequisite: None.

Registration Information: None.

ED 489 Student Teaching K-12 (6-12 V)

As Needed.

Student teaching at the K-12 level.

Prerequisite: None.

Corequisite: None.

Registration Information: None.

ED 491 Special Topics (1-3 V)

As Needed.

Special Topics.

Prerequisite: None.

Corequisite: None.

Registration Information: Repeatable (99).

ED 494 Field Experience (1-12 V)

As Needed.

Field experience in an educational setting. Not required for Teacher Certification.

Prerequisite: None.

Corequisite: None.

Registration Information: Repeatable (120).

ED 495 Independent Study (1-3 V)

As Needed.

Independent Study.

Prerequisite: None.

Corequisite: None.

Registration Information: Repeatable (99).

ED 500 Professional Development for Teachers 0.5-3(0.5-3-0)

As Needed.

Professional development for teachers. Each has a subtitle describing the specific content. Does not count for M.Ed. credit.

Prerequisite: None.

Corequisite: None.

Registration Information: Repeatable (99).

ED 501 Graduate Topics in Education (0.5-3 V)

Fall, Spring, Summer.

Graduate topics in education. Each has a subtitle; no subtitle may be repeated for credit.

Prerequisite: None.

Corequisite: None.

Registration Information: Graduate standing. Counts for M.Ed. credit with approval of Program Director. Repeatable (99).

ED 502 Teacher As Change Agent 3(3-0)

Fall, Spring.

Introduces strategies for professional growth including interpretation of research and professional collaboration.

Prerequisite: None.

Corequisite: None.

Registration Information: Admission to M.Ed. Program and a teaching license or eligibility for teaching license.

ED 503 Teacher as Researcher 3(3-0)

Fall, Spring.

Develops skills at conducting and applying action research strategies to improve teaching and learning.

Prerequisite: ED 502.

Corequisite: None.

Registration Information: Admission to M.Ed. program.

ED 504 Leading Change in America's Schools 3(3-0)

Fall, Spring.

Builds teachers' skills in leading school change.

Prerequisite: ED 502.

Corequisite: None.

Registration Information: Admission to M.Ed. program.

ED 505 Advanced Frameworks in Curriculum & Instruction 3(3-0)

Fall, Spring, Summer.

Advanced approaches to designing learner-centered classroom communities through applications of standards-based instruction, effective planning and assessment. Field experience or own classroom required.

Prerequisite: None.

Corequisite: None.

Registration Information: Requires graduate standing and 2.600 cumulative GPA.

ED 506 Behavioral Support 3(3-0)

Summer.

Prepares teachers to implement individual, classroom-wide and school-wide behavioral supports and interventions. Field experience required.

Prerequisite: None.

Corequisite: None.

Registration Information: Admission to School of Education.

ED 507 Levels of Support I 3(3-0)

Spring.

Prepares teachers to teach students with special needs in inclusive environments, with emphasis on literacy, math, and academic interventions. Field experience required.

Prerequisite: None.

Corequisite: None.

Registration Information: Admission to School of Education.

ED 508 Levels of Support II 3(3-0)

Fall.

Addresses effective instruction for secondary students, including transition planning. Field experience required.

Prerequisite: None.

Corequisite: None.

Registration Information: Admission to School of Education.

ED 509 Levels of Support III 3(3-0)

Summer.

Focuses on instructional programs for K-12 students with severe learning and behavioral challenges. Field experience required.

Prerequisite: None.

Corequisite: None.

Registration Information: Admission to School of Education.

ED 510 Collaboration in Education 3(3-0)

Summer.

Supports skills at co-teaching, teaming, and collaboration with teachers, families, paraprofessionals, and others to strengthen student achievement. Field experience required.

Prerequisite: None.

Corequisite: None.

Registration Information: Admission to School of Education.

ED 512 Teaching Diverse Learners 3(3-0)

Fall, Spring, Summer.

Focuses on legislation for special education, nature of exceptionalities, and meeting the needs of K-12 students, including second language learners; 30 hours field experience.

Prerequisite: None.

Corequisite: None.

Registration Information: Admission to School of Education.

ED 513 Advanced Methods of Tchg Social Studies in Elem 3(3-0)

Fall, Spring, Summer.

An advanced inquiry into the trends of elementary social studies curriculum, instruction, and assessment. Field experience or own classroom required.

Prerequisites: None.

Corequisites: None.

Registration Information: Admission to the School of Education required.

ED 514 Advanced Methods of Tchg Elem Science & Health 3(3-0)

Fall, Spring.

An advanced inquiry into the trends of elementary science and health curriculum, instruction, and assessment. Field experience or own classroom required.

Prerequisite: None.

Corequisite: None.

Registration Information: Admission to the School of Education required.

ED 515 Advanced Epistemology of Learning 3(3-0)

As Needed.

Advanced philosophical exploration of ways of knowing, knowledge construction, comprehension of knowledge, and demonstration of knowledge.

Prerequisites: None.

Corequisites: None.

Registration Information: Admission to the School of Education required.

ED 517 Advanced Methods of Teaching Math in Elem School I 3(3-0)

As Needed.

An advanced inquiry into the trends of elementary (P-2) mathematics curriculum, instruction, and assessment. Field experience or own classroom required.

Prerequisites: None.

Corequisites: None.

Registration Information: Admission to the School of Education required.

ED 518 Advanced Methods of Teaching Math in Elem II 3(3-0)

As Needed, Spring.

An advanced inquiry into the trends of elementary (Grades 3-6) mathematics curriculum, instruction, and assessment. Field experience or own classroom required.

Prerequisites: ED 517.

Corequisites: None.

Registration Information: Admission to the School of Education required.

ED 520 Educational Media and Technology 3(3-0)

Fall, Spring, Summer.

Prepares teachers to use technology for instruction, assessment, management, and research.

Prerequisite: None.

Corequisite: None.

Registration Information: Admission to School of Education.

ED 521 Classroom Integration of Internet 2(2-0)

As Needed.

Methods to effectively and legally integrate the Internet into the classroom as a communication and instructional tool.

Prerequisite: ED 280 or ED 520.

Corequisite: None.

Registration Information: Admission to School of Education.

ED 523 Teaching & Managing Technology 3(3-0)

As Needed.

Strategies, processes, and procedures for managing technology in K-12, including efficient use of emerging pedagogies.

Prerequisite: ED 280 or ED 520.

Corequisite: None.

Registration Information: Admission to School of Education.

ED 524 Advanced Techniques of Teaching Elementary Social 2(2-0)

Fall, Spring, Summer.

Analysis of techniques for conceptual approaches to teaching socialization skills, critical thinking, and inquiry skills; helping children develop healthy attitudes and values.

Prerequisite: None.

Corequisite: None.

Registration Information: Admission to School of Education.

ED 525 Advanced Techniques of Teaching Elementary Science 2(2-0)

Fall, Spring.

Emphasis on the newest concepts, techniques and materials for teaching elementary school science and health.

Prerequisite: None.

Corequisite: None.

Registration Information: Admission to School of Education.

ED 527 Productivity Tools for Classroom 1(1-0)

As Needed.

Applications of Microsoft Office as a productivity tool, including integration of use in classroom. Field experience required.

Prerequisite: ED 280 or ED 520.

Corequisite: None.

Registration Information: Admission to School of Education.

ED 528 Integration of Educational Software 1(1-0)

As Needed.

Familiarity with and criteria for selecting evaluating, and using quality educational software. Field experience required.

Prerequisite: ED 280 or ED 520.

Corequisite: None.

Registration Information: Admission to School of Education.

ED 529 Literacy & Technology 3(3-0)

Summer.

Methods for using technology to assess and teach literacy. Field experience required.

Prerequisite: ED 280 or ED 520.

Corequisite: None.

Registration Information: Admission to School of Education.

ED 531 Diverse Learners & Technology 3(3-0)

Summer.

Strategies for using technology to enhance learning for all students, with emphasis on the relationship between technology and equity. Field experience required.

Prerequisite: ED 280 or ED 520.

Corequisite: None.

Registration Information: Admission to School of Education.

ED 532 Hardware & Networking for Educators 3(3-0)

As Needed.

Pedagogical and practical considerations in using networking and hardware in schools.

Prerequisite: ED 280 or ED 520.

Corequisite: None.

Registration Information: Admission to School of Education.

ED 533 Instructional Theory & Tech Design 3(3-0)

As Needed.

Instructional system design theories and models and their adaptation to plan and use technology effectively in the classroom. Field experience required.

Prerequisite: ED 280 or ED 520.

Corequisite: None.

Registration Information: Admission to School of Education.

ED 534 Multimedia Design 3(3-0)

Summer.

Methods and tools for creating multimedia learning objects for K-12 classrooms. Field experience required.

Prerequisite: ED 280 or ED 520.

Corequisite: None.

Registration Information: Admission to School of Education.

ED 536 Technology & Assessment Tools 3(3-0)

As Needed.

Prepares teachers to use technology in assessment practices in the classroom.

Prerequisite: ED 280 or ED 520.

Corequisite: None.

Registration Information: Admission to School of Education.

ED 537 Artificial Intelligence in K-12 Education 3(3-0)

As Needed.

Prepares teachers to use artificial intelligence ethically for instruction, assessment, management, and research in K-12 education. K-12 teachers will learn about best practices for ethical use in the classroom.

Prerequisites: None.

Corequisites: None.

Registration Information: None.

ED 540 Foundations of American Education 3(3-0)

As Needed.

A foundational investigation into the historical, philosophical, and sociological dimensions of education in the United States, including advocacy, legislation, leaders and structures, and finance.

Prerequisite: None.

Corequisite: None.

Registration Information: None.

ED 541 Advanced Methods of Family Engagement 3(3-0)

As Needed.

This course is an advanced exploration of ways to develop healthy relationships with families and communities to enhance parental and community stakeholder involvement to support P-12 education.

Prerequisites: None.

Corequisites: None.

Registration Information: Admission to the School of Education required.

ED 542 Contemporary Techniques of Classroom Management 2(2-0)

As Needed.

What research and professional practice say about organizing students, space, information, and resources; motivating, goal setting, communicating, and problem solving with student; and handling disruption and behavior problems.

Prerequisite: None.

Corequisite: None.

Registration Information: Graduate standing.

ED 543 Teaching K-12 Health 3(3-0)

As Needed.

Focuses on teaching methods, using appropriate materials and strategies, as well as creating assessments, necessary to prepare students to teach in K-12, standards-based, health classrooms.

Prerequisite: None.

Corequisite: None.

Registration Information: Admission to School of Education.

ED 544 Teaching Secondary Science 3(3-0)

Fall.

Focuses on teaching methods, materials, and assessment strategies necessary to prepare students to teach in secondary standards-based science classrooms.

Prerequisite: None.

Corequisite: None.

Registration Information: Admission to School of Education.

ED 545 Assessment & Data Driven Instruction 3(3-0)

Fall.

Prepares teachers to select, administer, and interpret formal and informal assessments to improve instruction. Field experience required.

Prerequisite: None.

Corequisite: None.

Registration Information: Admission to School of Education.

ED 546 Teaching K-12 Art 3(3-0)

Fall.

Focuses on Art curriculum, methods, and assessment to prepare art educators to successfully teach in K-12 standards-based art classrooms.

Prerequisite: None.

Corequisite: None.

Registration Information: Admission to School of Education.

ED 547 Teaching English in Secondary Schools (3 V)

Fall.

Familiarizes students with Colorado Language Arts Standards, standards-based lesson, and unit planning and authentic assessment.

Prerequisite: None.

Corequisite: None.

Registration Information: Admission to School of Education.

ED 548 Teaching Foreign Language 3(3-0)

Fall.

Familiarizes students with Colorado Foreign Language Standards, standards-based lesson and unit planning and authentic assessment.

Prerequisite: None.

Corequisite: None.

Registration Information: Admission to School of Education.

ED 550 K-12 Music Methods 3(3-0)

Fall.

Familiarization with the Colorado Music Content Standards. Standards based lesson and unit planning and strategies for general, instrumental, and vocal music will be emphasized.

Prerequisite: None.

Corequisite: None.

Registration Information: Graduate standing.

ED 551 Teaching Secondary Social Studies 3(3-0)

Fall.

Familiarizes students with Colorado Social Studies Content Standards, standards-based lesson and unit planning strategies and authentic assessment.

Prerequisite: None.

Corequisite: None.

Registration Information: Admission to School of Education.

ED 552 Teaching Secondary Business 3(3-0)

As Needed.

Prepares teachers to teach all areas of the business curriculum in secondary schools.

Prerequisite: None.

Corequisite: None.

Registration Information: Admission to School of Education.

ED 560 Advanced Classroom Management 3(3-0)

As Needed.

Advanced exploration of theories related to classroom management and engagement to create positive, authentic learning environments. Field experience or own classroom required.

Prerequisite: None.

Corequisite: None.

Registration Information: Admission to the School of Education required.

ED 565 Introduction to Educational Statistics 1(1-0)

As Needed.

Statistical methods in education; graphs, charts, frequency distributions, central tendencies, dispersion, correlation, sampling errors, estimation, and hypothesis testing.

Prerequisite: None.

Corequisite: None.

Registration Information: None.

ED 570 The Technology Coordinator 3(3-0)

As Needed.

Examination of the roles of the technology coordinator in a K-12 educational setting.

Prerequisite: ED 280 or ED 522.

Corequisite: None.

Registration Information: Admission to School of Education.

ED 571 Distance Learning 3(3-0)

As Needed.

Provides information needed to be knowledgeable distance educators and instructional developers for K-12 distance learners.

Prerequisite: ED 280 or ED 522.

Corequisite: None.

Registration Information: None.

ED 574 Early Childhood Space Exploration 3(3-0)

As Needed.

Designed to provide tools necessary to teach space concepts through inquiry-based learning to young children.

Prerequisite: None.

Corequisite: None.

Registration Information: Admission to School of Education.

ED 575 Lunar/Mars Exploration 3(3-0)

As Needed.

Participants will investigate how to establish and maintain humans on our moon or Mars and how to integrate these concepts into the classroom.

Prerequisite: None.

Corequisite: None.

Registration Information: Admission to School of Education.

ED 576 Rocketry & Exploration 3(3-0)

As Needed.

Participants will examine the technological advances that are being developed for human exploration of the solar system.

Prerequisite: None.

Corequisite: None.

Registration Information: Admission to School of Education.

ED 577 Astronomy for the Classroom 3(3-0)

As Needed.

Participants will investigate topics such as motions of the heavens, astronomical research tools, stars, and constellations, 3D exploration of comets, auroras, and planets.

Prerequisite: None.

Corequisite: None.

Registration Information: Admission to School of Education.

ED 578 Long Term Space Travel 3(3-0)

As Needed.

Participants will investigate answers to how humans can expand beyond home to maximize the benefits from space exploration.

Prerequisite: None.

Corequisite: None.

Registration Information: Admission to School of Education.

ED 579 Earth Systems Science 3(3-0)

As Needed.

Participants will investigate answers to how humans can expand beyond home to maximize the benefits from space exploration.

Prerequisite: None.

Corequisite: None.

Registration Information: Admission to School of Education.

ED 580 Integrated Methods 3(3-0)

As Needed, Fall, Spring.

Advanced methods of integrating various content areas into the elementary curriculum, with emphasis on the expressive arts and PE.

Requires field experience or own classroom.

Prerequisite: None.

Corequisite: None.

Registration Information: Requires admission to the School of Education.

ED 581 Practicum & Seminar in Education (1-6 V)

Fall, Spring, Summer.

Supervised practicum and seminar in special education.

Prerequisite: None.

Corequisite: None.

Registration Information: Admission to School of Education. Repeatable (99).

ED 591 Special Topics (1-3 V)

As Needed.

Special Topics.

Prerequisite: None.

Corequisite: None.

Registration Information: Graduate standing. Repeatable (99).

ED 592 Research (1-3 V)

As Needed.

Research.

Prerequisite: None.

Corequisite: None.

Registration Information: Permission of program director. Repeatable (99).

ED 593 Seminar (1-6 V)

Fall, Spring, Summer.

Seminar.

Prerequisite: None.

Corequisite: None.

Registration Information: Admission to School of Education. Repeatable (99).

ED 594 Field Experience (1-12 V)

As Needed.

Field experience in an educational setting.

Prerequisite: None.

Corequisite: None.

Registration Information: Graduate standing. Repeatable (99).

ED 595 Independent Study (1-3 V)

As Needed.

Independent Study.

Prerequisite: None.

Corequisite: None.

Registration Information: Graduate standing. Repeatable (99).

ED 599 Thesis Research (1-6 V)

As Needed.

Thesis Research.

Prerequisite: None.

Corequisite: None.

Registration Information: Permission of program Director. Repeatable (99).

ED 600 Introduction to Educational Leadership 3(3-0)

As Needed.

Introduces effective leadership and management to include current issues and trends facing today's educational leaders, ethics and professionalism, with an emphasis on the CO Principal Quality Standards.

Prerequisites: None.

Corequisites: None.

Registration Information: None.

ED 601 Shaping Organizations: Leadership & Management 3(3-0)

As Needed.

Explores qualities of effective change agency to include organizational behaviors, communication skills, goal setting, aligned planning, change theory, and skill development within complex educational organizations.

Prerequisite: None.

Corequisite: None.

Registration Information: None.

ED 602 Legal & Financial Dimensions of School Leadership 3(3-0)

As Needed.

Examines national, state, and local laws and policies that affect organization and administration of school systems including, but not limited to: IDEA, CO READ Act, budgeting and financial decision making.

Prerequisites: None.

Corequisites: None.

Registration Information: None.

ED 603 External Environments in Leadership 3(3-0)

As Needed.

External influences on leadership decisions including political climate, demographics, economic trends, family engagement, community support systems, school safety, and accountability measures.

Prerequisite: None.

Corequisite: None.

Registration Information: None.

ED 604 Educator Development, Supervision, & Evaluation 3(3-0)

As Needed.

Curriculum development, instructional strategies, effective coaching and mentoring, and developing the capacity of instructors to improve their own effectiveness; all for improved student outcomes.

Prerequisite: None.

Corequisite: None.

Registration Information: None.

ED 605 The Principalship: Leadership at the Site Level 3(3-0)

As Needed.

School site-level management and leadership issues faced by building principals such as: personnel, site-based budgeting, curriculum and instruction, student/staff/parent engagement, safety, and day-to-day management.

Prerequisite: None.

Corequisite: None.

Registration Information: None.

ED 606 Technology & Site-Level, Data-Driven Decisions 3(3-0)

As Needed.

Strategies involved with the examination of a wide variety of assessment data to identify strengths and deficiencies in the teaching/learning process and the application of findings to ongoing policy and practice.

Prerequisite: None.

Corequisite: None.

Registration Information: None.

ED 610 Gifted Learner Development 3(3-0)

As Needed.

Explores the development, nature, and needs of gifted learners, including twice exceptional learners, gifted learners in underrepresented populations, and other dimensions of giftedness.

Prerequisite: None.

Corequisite: None.

Registration Information: None.

ED 611 Learning Environments for Gifted Learners 3(3-0)

As Needed.

Provides educators with the ability to create effective learning environments for gifted learners. It also explores other structures to help gifted learners thrive.

Prerequisites: None.

Corequisites: None.

Registration Information: This course can be used to meet the M.Ed. Pedagogy Requirement for Differentiation of Instruction.

ED 612 Instructional Strategies for Gifted Learners 3(3-0)

As Needed.

Provides educators with the ability to select, adapt, and use a repertoire of evidence-based instructional strategies, including technology, to advance the learning of gifted learners.

Prerequisites: None.

Corequisites: None.

Registration Information: This course can be used to meet the M.Ed. Pedagogy Requirement for Instructional Technology.

ED 613 Curriculum for Gifted Learners 3(3-0)

As Needed.

Provides educators with the skills to evaluate, create, and implement curricula for gifted learners.

Prerequisites: None.

Corequisites: None.

Registration Information: None.

ED 614 Assessment & Evaluation in Gifted Education 3(3-0)

As Needed.

Addresses best practices in the identification processes for gifted learners and the assessment and evaluation of both individual learners and gifted programs.

Prerequisites: None.

Corequisites: None.

Registration Information: None.

ED 615 Foundations & Ethics in Gifted Education 3(3-0)

As Needed.

Analyzes the historical, philosophical, psychological, and contextual foundations of gifted education and promotes the ethical principles of dealing with gifted learners.

Prerequisites: None.

Corequisites: None.

Registration Information: None.

ED 616 Collaboration & Communication in Gifted Education 3(3-0)

As Needed.

Supports skill development with collaboration, communication, and leadership in gifted education.

Prerequisites: None.

Corequisites: None.

Registration Information: None.

ED 681 Practicum in Gifted Education 3(0.5-7.5)

As Needed.

Candidates engage in onsite educational activities related to gifted education to develop program standards. Placements will be determined by program advisor and school district/building leadership.

Prerequisites: None.

Corequisites: None.

Registration Information: Should be taken during the final term of the Gifted Education program. Repeatable (15).

ED 698 Internship in Educational Leadership 1-12(1-12-0)

As Needed.

Candidates engage in onsite educational activities throughout their program to develop program standards. Placements will be determined by program advisor and school district/building leadership.

Prerequisite: None.

Corequisite: None.

Registration Information: None.

ED 701 Doctoral-Level Topics in Education (0.5-3 V)

As Needed.

Doctoral-level topics in education. Each has a subtitle; no subtitle may be repeated for credit. Counts for Ed.D. credit with approval of Program Director.

Prerequisite: None.

Corequisite: None.

Registration Information: Repeatable (99).

ED 710 Contemporary Theories in Leadership 3(3-0)

As Needed.

Explores the nature of complex organizations and various theories of organizational leadership focusing on inquiry and reflective practice.

Prerequisite: None.

Corequisite: None.

Registration Information: None.

ED 711 Issues in Educational Leadership 3(3-0)

As Needed.

Examination of current national, state, and local educational climate including government policies and spending, technology, achievement, school reform, social-emotional needs, diversity, and equity.

Prerequisite: None.

Corequisite: None.

Registration Information: None.

ED 712 Ethics in Educational Leadership 3(3-0)

As Needed.

The study of complex organizations and the nature of leadership with an emphasis on moral and ethical decision-making.

Prerequisite: None.

Corequisite: None.

Registration Information: None.

ED 713 Strategic Change in Education 3(3-0)

As Needed.

Exploration of ways to assess, select, and implement effective organizational changes/initiatives that affect health and safety, equal access, professional development, teaching and learning, & student achievement.

Prerequisite: None.

Corequisite: None.

Registration Information: None.

ED 714 Policy Analysis & Advocacy for Change 3(3-0)

As Needed.

Necessary tools for the design, planning, implementation, and assessment of current or proposed policy including best practices for advocacy at appropriate levels.

Prerequisite: None.

Corequisite: None.

Registration Information: None.

ED 715 Developing Organizational Culture 3(3-0)

As Needed.

Study of how leaders influence the culture of their organizations and best strategies to change the current culture, bringing about positive environments for students, staff, families, and other stakeholders.

Prerequisite: None.

Corequisite: None.

Registration Information: None.

ED 716 Advanced Inquiry & Analysis in Education 3(3-0)

As Needed.

Focus on bringing strategies and tools to educational leaders to engage and guide group inquiry and collaboration to bring about positive change with an emphasis on a continual cycle of assessment and review.

Prerequisite: None.

Corequisite: None.

Registration Information: None.

ED 717 Distributed Leadership & Organizational Structures 3(3-0)

As Needed.

Explores the best practices of implementing distributed leadership and how it interacts with various organizational structures.

Prerequisite: None.

Corequisite: None.

Registration Information: None.

ED 720 Quantitative Research in Education 3(3-0)

As Needed.

Quantitative research methods in education including fundamental principles of scientific research emphasizing research designs, measurement, sampling, ethics, and quantitative writing methods.

Prerequisite: None.

Corequisite: None.

Registration Information: None.

ED 721 Qualitative Research in Education 3(3-0)

As Needed.

Qualitative research methods in education including the process involved with data collection, description, analysis, and interpretation emphasizing quality criteria, solid research practice, ethics, and writing methods.

Prerequisite: None.

Corequisite: None.

Registration Information: None.

ED 722 Data-Driven Leadership 3(3-0)

As Needed.

How to lead the purposeful application of quantitative and qualitative research methods to analyze data in an educational context and make data-driven decisions.

Prerequisite: None.

Corequisite: None.

Registration Information: None.

ED 730 Contracts & Negotiation 3(3-0)

As Needed.

Negotiation strategies with emphasis on educational professionals, focusing on positive conflict resolution, interest-based bargaining, and contract law.

Prerequisite: None.

Corequisite: None.

Registration Information: None.

ED 731 Economics of Human Resources 3(3-0)

As Needed.

Explores the roles & responsibilities of the human resources manager in educational systems. Includes planning, recruiting, hiring, development, and compensation; while operating within negotiated agreements and policies.

Prerequisite: None.

Corequisite: None.

Registration Information: None.

ED 732 Advanced Law & Administration 3(3-0)

As Needed.

Explores legal issues specific to school leaders with emphasis on school environment, constitutional issues, students, personnel, and accountability.

Prerequisite: None.

Corequisite: None.

Registration Information: None.

ED 733 Leaders in Literacy 3(3-0)

As Needed.

Explores the issues and experiences of literacy supervision and leadership in educational environments. Students will gain knowledge and understanding of acquisition, assessment, and instruction of literacy practices.

Prerequisites: None.

Corequisites: None.

Registration Information: Admission to Ed.D. program required.

ED 734 Global Perspectives on Education 3(3-0)

As Needed.

An examination of different educational systems in countries around the world. Explores the history, the policies, the pedagogy, and the leadership practices from educational systems in different countries including the U.S.

Prerequisites: None.

Corequisites: None.

Registration Information: Admission to Ed.D. program required.

ED 735 The Epistemology of Leadership 3(3-0)

As Needed.

An examination of the epistemology of leadership on the basis of its history, sociogenesis and psychology.

Prerequisites: None.

Corequisites: None.

Registration Information: Admission to Ed.D. program required.

ED 736 Technology Leadership in K-20 Contexts 3(3-0)

As Needed.

Equips practitioners with the knowledge, skills, and strategies needed to lead and innovate in educational technology. Topics include the intersection of pedagogy and technology and how to leverage digital tools.

Prerequisites: None.

Corequisites: None.

Registration Information: Admission to Ed.D. program required.

ED 737 Teacher Leader 3(3-0)

As Needed.

Focuses on the realization that teacher leadership is essential, examine how to recruit then grow leaders, and how to provide growth opportunities for teacher leaders through empowerment and ongoing professional growth.

Prerequisites: None.

Corequisites: None.

Registration Information: Admission to Ed.D. program required.

ED 738 Researching & Writing a Critical Literature Review 3(3-0)

As Needed.

This course will cover the process of writing a critical literature review of scholarly sources including key findings and concepts and developments in relation to a research topic and problem of practice.

Prerequisites: None.

Corequisites: None.

Registration Information: Admission to Ed.D. program required.

ED 791 Special Topics 1-3(1-3-0)

As Needed.

Doctoral-level special topics in education. Each has a subtitle; no subtitle may be repeated for credit. Counts for Ed.D. credit with approval of Program Director.

Prerequisites: None.

Corequisites: None.

Registration Information: Admission to Ed.D. Program Required.

Repeatable (99).

ED 895 Independent Study 1-3(1-3-0)

As Needed.

Doctoral-level independent study in education. Counts for Ed.D. credit with approval of Program Director.

Prerequisites: None.

Corequisites: None.

Registration Information: Admission to Ed.D. Program Required.

Repeatable (99).

ED 898 Doctoral Practicum in Educational Leadership (1-12 V)

As Needed.

Practicum in an appropriate educational placement to develop skills related to Ed.D. program standards, linking theory and practice.

Placements will be approved by doctoral advisor.

Prerequisite: None.

Corequisite: None.

Registration Information: Repeatable (24).

ED 899 Dissertation Research (1-12 V)

As Needed.

Dissertation research leading up to and including completion of the approved doctoral dissertation.

Prerequisite: None.

Corequisite: None.

Registration Information: Repeatable (24).