Elementary Education

UAB’s Elementary Education program (M.A.Ed., Ed.S.) embodies a three-fold purpose. Its first purpose is to train educators in meeting the evolving needs of learners, primarily in grades K-6, within today’s rapidly changing society. Its second purpose is to deliver cutting-edge instruction through a standards-based, inquiry-focused approach. Based on constructivism, this approach prepares prospective and experienced educators to use state-of-the-art instructional strategies in their own classrooms. Its third purpose is to ensure that a quality program is available to pre-service and in-service teachers who may be unable to attend class during traditional class hours. This program is unique in how it combines online support from the learning management system (i.e., Canvas) with a variety of delivery formats:

• blended courses (online alternating with face-to-face)
• professional learning communities
• flexible summer programming
• internships and practicums
• totally online platforms
• Saturday classes

These purposes are expanded through the Ed.S. program. This advanced degree program infuses an inquiry-focused approach that prepares teachers for assuming leadership roles in curriculum development and instructional delivery. It also provides experienced teachers with collaborative skills and mentoring techniques for serving as reflective practitioners to guide change and positively impact student achievement and school improvement. Teachers with Class A certification can pursue EdS-level certification in elementary education.

For detailed information regarding admission requirements for the School of Education graduate programs, please visit the Admissions Requirements website at https://www.uab.edu/education/studentservices/admission-requirements/.

Master of Arts in Education in Elementary Education

The MAEd degree in Elementary Education requires a minimum of 33 hours.

<table>
<thead>
<tr>
<th>Requirements</th>
<th>Hours</th>
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<tbody>
<tr>
<td>EDR 650 Teaching Reading P-12</td>
<td>3</td>
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<tr>
<td>EEC 660 Reading in Teaching and Learning</td>
<td>3</td>
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<tr>
<td>Select two courses from the list below</td>
<td>6</td>
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<tr>
<td>EEC 678 Primary Mathematics: A Constructive Approach</td>
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<tr>
<td>ECE 630 Cognitive Curriculum ECE</td>
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<tr>
<td>EEC 620 Teaching Mathematics N-6</td>
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<tr>
<td>EEC 622 Teaching Social Studies N-6</td>
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<tr>
<td>EEC 623 Teaching Science N-6</td>
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<tr>
<td>EEC 621 Teaching Language Arts P-12</td>
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<tr>
<td>EDR 652 Pre and Early Reading Instruction</td>
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<tr>
<td>EDR 653 Literature for Grades P-12</td>
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<tr>
<td>EDR 655 Reading Assessment and Evaluation</td>
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<tr>
<td>EDR 659 Research and Problems in Reading</td>
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<tr>
<td>EEC 560 Current Issues in Education or EEC 54 Workshop in Education: Strategies for English Learners</td>
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</table>

Select one course from the list below 3

| EEC 672 Piaget and Perspectives in Learning |
| EPR 610 Child Psychology |
| EPR 622 Learning Theories |
| EEC 674 Language Development |

Select one course from the list below 3

| EESL 620 Special Topics in ESL |
| EEC 673 Teaching in Diverse Society |
| EDF 600 Urban Education |
| ECT 625 Positive Behavioral Supports |
| EEC 691 Practicum in ECE/ELEM |

Total Hours 30

Educational Specialist in Education with a Concentration in Elementary Education

The Ed.S. in Education with a concentration in Elementary Education requires a minimum of 30 hours.

<table>
<thead>
<tr>
<th>Requirements</th>
<th>Hours</th>
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<tbody>
<tr>
<td>EDC 707 Introduction to Teacher Leadership</td>
<td>3</td>
</tr>
<tr>
<td>EDC 711 Analysis and Evaluation of Teaching</td>
<td>3</td>
</tr>
<tr>
<td>EDC 720 Problems and Issues in Education</td>
<td>3</td>
</tr>
<tr>
<td>EEC 660 Reading in Teaching and Learning ¹</td>
<td>3</td>
</tr>
<tr>
<td>EEC 692 Curriculum Projects</td>
<td>3</td>
</tr>
<tr>
<td>EEC 694 Field Study ¹</td>
<td>1-6</td>
</tr>
<tr>
<td>EEC 695 Practicum Supervision in ECE/ELEM</td>
<td>2</td>
</tr>
<tr>
<td>Advisor-approved 600+ level Elective Courses</td>
<td>9</td>
</tr>
<tr>
<td>ECY 600 Introduction to Exceptional Learner</td>
<td>3</td>
</tr>
<tr>
<td>EPR 596 Introduction to Qualitative Methods in Educational Research</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Hours 33-38

¹ Students who have previously completed EEC 660 will complete four (4) hours of EEC 694 Field Study. Students who have not previously completed EEC 660, will complete one (1) hour of EEC 694 Field Study.

EEC-Element Early Childhood Courses

EEC 500. Pedagogy One. 9 Hours.
Develops candidate’s knowledge, skills/performance, and dispositions in the teaching of reading and language arts in the early childhood and elementary classroom. Refines abilities in instructional planning, instructional delivery, classroom management, and assessment of learners in order to address the literacy needs of diverse learners.

EEC 501. Pedagogy Two. 9 Hours.
Curriculum and field experience of P-6 curriculum in the areas of math, science, literacy, and social studies. Emphasis is placed on the scope, sequence, and content of each content area. Extensive field experience required.

Materials and methods on emergent numeracy. Field experience required.
EEC 505. Children's Literature in Elem. and Early Childhood. 3 Hours.
Prerequisites: EDU 500 [Min Grade: C] and EEC 650 [Min Grade: C]

EEC 506. Language Arts in Elementary and Early Childhood Ed.. 1-4 Hour.
Materials and methods. Communication-based approach in developing effective language arts program. All aspects of language arts program addressed. Field experiences required.
Prerequisites: EEC 600 [Min Grade: C] and EEC 612 [Min Grade: C] and EEC 650 [Min Grade: C]

EEC 512. Math in EC and Elementary Educ. 3 Hours.
Material and methods of teaching mathematics. Emphasizes scope, sequence, and content of the mathematics program. Computation skills and problem solving are stressed. Includes field experiences.
Prerequisites: EEC 612 [Min Grade: C]

EEC 513. Science in EC and Elem Edu. 3 Hours.
Scope, sequence, materials, and methods. Emphasis on teaching and the development of content and process skills. Field experiences completed in conjunction with practicum.
Prerequisites: EEC 612 [Min Grade: C]

EEC 514. Soc Studies in EC and Elem Edu. 3 Hours.
Scope, sequence, and content of elementary school social studies curriculum. Teaching strategies, program articulation, and instructional planning. Field experiences completed in conjunction with practicum.
Prerequisites: EEC 612 [Min Grade: C]

EEC 515. Learning Environments through Positive Behavior Support. 1-3 Hour.
Theoretical approaches that focus on child centered curriculum, classroom management, discipline strategies and cultural, linguistic, and developmentally appropriate instruction. Field experience required.

EEC 540. Workshop in Education: Strategies for English Learners. 1-3 Hour.
Strengthen proficiency in teaching English Learners in the mainstream classroom. Develop understanding of second language acquisition, culturally responsive teaching, accommodations for varying language levels, and appropriate assessments for English Learners. Practice planning, implementing, and managing sheltered instruction.

EEC 550. Current Issues in Education. 3 Hours.
Topics announced in class schedule. May be repeated for maximum of 6 hours with different topics.

EEC 560. Teaching Science N-6. 3 Hours.
Issues and approaches in early childhood and elementary mathematics; research and implementation for instruction.
Prerequisites: EDU 500 [Min Grade: C]

EEC 600. Transition into P-6 Teaching. 3 Hours.
Introduction to the teaching profession (Alternative Master's Program, Elementary/Early Childhood Education).

EEC 610. Curriculum Development in ELEM and ECE. 3 Hours.
Curriculum decisions, planning and implementation.

EEC 611. Teacher Roles in Elementary and Early Childhood Ed.. 3 Hours.
Models of instructional roles such as facilitator, program planner, curriculum designer; models of social roles. Includes practicum experiences.

EEC 612. Models of Teaching. 3 Hours.
Developing knowledge of curriculum and instruction. Selecting and applying specific teaching strategies. Includes practicum experiences.

EEC 615. Collaborative Learning Spaces - Designing and Developing. 3 Hours.
Introduction to the maker movement in P-6 STEM education. Explorations of the history of the maker movement in K-12 education, collaborative learning spaces, interdisciplinary connections, maker projects, curriculum, instructional strategies, assessment tools, and learning theories that support student-driven projects.

EEC 617. Engineering for P-6 Students. 3 Hours.
Introduction and exploration of the different fields of engineering, concepts, and content related to each field, engineering design process, and practices, the Next Generation Science Standards, curricular materials and resources, the latest research on engineering in P-12 schools, and assessments necessary to design and develop research-based interdisciplinary curricula for students in grades P-6.

EEC 620. Teaching Mathematics K-6. 3 Hours.
Issues and approaches in early childhood and elementary mathematics; research and implementation for instruction.
Prerequisites: EEC 660 [Min Grade: C]

EEC 621. Teaching Language Arts P-12. 3 Hours.
Issues and approaches in teaching early childhood and elementary school language arts. Implications of research for instruction.

EEC 622. Teaching Social Studies N-6. 3 Hours.
Function and organization of social studies programs in early childhood and elementary schools. Selection and adaptation of content, resources, teaching materials, and teaching strategies/methods with emphasis on current trends.
Prerequisites: EEC 660 [Min Grade: C]

EEC 623. Teaching Science N-6. 3 Hours.
Issues and approaches in early childhood and elementary science, technology, engineering, & math. Implications of research for instruction.
Prerequisites: EEC 660 [Min Grade: C]

EEC 625. Critical Pedagogy Advocacy Collaboration. 3 Hours.
Encompasses current issues in education from critical, postmodern, and feminist perspectives. Issues of advocacy, collaboration, equity, social justice, racism, sexism, and the marginalization of minorities in education will be explored.

EEC 628. Masters Project. 1 Hour.
Designed for the nontraditional 5th-year student in early childhood and elementary education. This one-hour seminar must be taken concurrently with the student's internship experience.

EEC 633. Classroom Applications of Constructivist Theory. 3 Hours.
This course provides practical classroom applications of constructivist principles in teaching and learning.
ECE 650. Systematic Reflections About Teaching. 3 Hours.
Theory and practice of reflective inquiry in the elementary classroom which includes observations, data collection, analysis, and narrative reporting. Prerequisite: Admission into Graduate School.

ECE 660. Reading in Teaching and Learning. 3 Hours.
Introductory course is designed to assist the student in locating, analyzing, and synthesizing current research in early childhood and elementary education.

ECE 670. Studying the Child in School. 3 Hours.
Analysis of child study in school; values and limitations of assessment.

ECE 671. Creative and Affective Experiences. 1-3 Hour.
Nature and nurture of creativity through creative learning experiences. Maintaining and preserving creative expression throughout curriculum.

ECE 672. Piaget and Perspectives in Learning. 3 Hours.
Piaget's theory of intellectual or cognitive development; applications to elementary and early childhood education. Prerequisite: Course in human growth and development.

ECE 673. Teaching in Diverse Society. 3 Hours.
Examination of effective strategies for working with diverse populations.

ECE 674. Language Development. 3 Hours.
Developmental processes involved in language, relationship to education programs.

ECE 675. Teaching in the Urban School. 3 Hours.
Methods and materials; evaluation of school and school-related programs for equalizing educational opportunity.

ECE 676. Discipline and Social Education. 3 Hours.
Classroom management focused on responsible thinking, cooperation, mutual respect, shared decision-making, and other social skills.

ECE 677. Readiness for Learning. 3 Hours.
Preschool and primary level language development and literacy development; assessment techniques.

ECE 678. Primary Mathematics: A Constructive Approach. 3 Hours.
New ways of teaching primary math based on Piaget's theory about how children acquire logico-mathematical knowledge.

ECE 680. National Board Portfolio. 3-6 Hours.
Prepares teachers for National Board Candidacy and to support candidates as they go through the certification process. Students enrolled in this course may be either precandidates or candidates for National Board Certification.

ECE 690. Internship in P-3/3-6. 3-9 Hours.
Supervised teaching in an early childhood (P-3) and/or an elementary (3-6) program. The student gradually assumes responsibility for planning and teaching for the entire class (minimum of 15 weeks). The internship experience includes supervision in working with professional resource professionals and parents. Approval of application for Internship in P-3/3-6 required.
Prerequisites: EDR 540 [Min Grade: C] and ECE 502 [Min Grade: C] and ECE 540 [Min Grade: C] and EEC 506 [Min Grade: C] and EEC 512 [Min Grade: C] and EEC 513 [Min Grade: C] and EDR 543 [Min Grade: C] and EEC 514 [Min Grade: C]

ECE 691. Practicum in ECE/ELEM. 1-3 Hour.
Practicum in Early Childhood Education and Elementary Education.

ECE 692. Curriculum Projects. 1-6 Hour.
Field projects in curriculum modifications and improvement of classroom practice.

ECE 693. Independent Studies. 1-3 Hour.
Independent Study in Elementary and Early Childhood Education.

ECE 694. Field Study. 1-6 Hour.
Field study.

ECE 695. Practicum Supervision in ECE/ELE. 2-6 Hours.
Supervision of practicum students.

ECE 696. Internship Seminar. 1-3 Hour.
Course will accompany the 9 semester hour internship (ECE 690) to support and extend the efforts of student teaching. The course will focus on problem-solving related to classroom situations such as classroom management, grading, professionalism and ethics, legal issues, teacher rights, and others that occur during the internship.

ECE 698. Independent Non-Thesis Research. 3-6 Hours.
Non Thesis research.

ECE 699. Thesis Research. 6-9 Hours.
Thesis research.
Prerequisites: GAC M

ECE 701. Advanced Seminar in Language Development. 3 Hours.
Relationship of thinking and knowing to language development; strategies for analysis.
Prerequisites: ECE 674 [Min Grade: C]

ECE 702. Administration and Supervision Prog Young Children. 3 Hours.
Evaluation, decision making, supportive services, staff development, community interaction strategies.

ECE 710. Research. 1-6 Hour.
Research.

ELE-Elementary Education Courses

ELE 620. Teaching Mathematics in Elementary School. 3 Hours.
Issues and approaches in elementary mathematics; research and implementation for instruction.
Prerequisites: ECE 600 [Min Grade: C] and ECE 660 [Min Grade: C]

ELE 621. Teaching Language Arts in Elementary School. 3 Hours.
Issues and approaches in teaching elementary school language arts. Implications of research for instruction.
Prerequisites: ECE 600 [Min Grade: C] and ECE 660 [Min Grade: C]

ELE 622. Teaching Social Studies in Elementary School. 3 Hours.
Function and organization of social studies programs in elementary schools. Selection and adaptation of content, resources, teaching materials, and strategies and methods. Emphasis on current trends.
Prerequisites: ECE 600 [Min Grade: C] and EEC 660 [Min Grade: C]

ELE 623. Teaching Science in Elementary School. 3 Hours.
Issues and approaches in elementary science. Implications of research for instruction.
Prerequisites: ECE 600 [Min Grade: C] and EEC 660 [Min Grade: C]

ELE 624. The Elementary School. 3 Hours.
Organizational patterns in American elementary schools.

ELE 690. Practicum in Elementary Education. 3-6 Hours.
Practicum Prerequisite: Permission of instructor.

ELE 691. Internship in Elementary Education. 3-9 Hours.
Full-time internship as elementary education teacher for 10 weeks (300 clock hours). Responsibility as teacher for at least 10 days. 3 or 9 hours.

ELE 692. Practicum Supervision in ELE. 2 Hours.
Supervision of practicum students.
ELE 721. Developing Effective Instruction in Elementary Sch. 3 Hours.
Leadership role of senior teachers; analysis and enhancement of instructional programs; development of teaching staff. Prerequisite: Master's degree.