



STUDENT LEARNING OUTCOMES
College of Education



Undergraduate Programs - Bachelor

B.S. Ed. Biology Education

Upon completion of the B.S.Ed. degree in Biology Education, students will:

- have a basic knowledge of the principles of biology.
- be able to apply their knowledge of biological principles and the scientific method of inquiry to solve new problems.
- have a high degree of proficiency in the use of computer technology.
- be able to communicate their knowledge and results effectively.
- create a safe and respectful learning environment with an awareness of developmental levels and needs of learners.
- demonstrate professional dispositions of effective teachers to positively impact student learning while contributing to the well-being of their district.

B.S. Ed. Business Education

Upon completion of the B.S.Ed. degree in Business Education, students will:

- be able to demonstrate a deep understanding of content and pedagogy knowledge.
- be able to demonstrate instructional design principles by planning and preparing effective lessons and learning activities for all learners.
- be able to engage students by delivery of effective lessons and learning activities, and ensure assessment is fully aligned with the instructional outcomes in both content and process.
- be able to create a safe and respectful learning environment with an awareness of developmental levels and needs of learners.
- be able to integrate technology into lessons to create interest and communicate knowledge.
- be able to demonstrate professional dispositions of effective teachers to positively impact student learning while contributing to the well-being of their district.

B.S. Ed. Computer Education

Upon completion of the B.S.Ed. degree in Computer Education, students will:

- be able to demonstrate a deep understanding of content and pedagogy knowledge.
- be able to demonstrate instructional design principles by planning and preparing effective lessons and learning activities for all learners.
- be able to engage students by delivery of effective lessons and learning activities, and ensure assessment is fully aligned with the instructional outcomes in both content and process.
- be able to create a safe and respectful learning environment with an awareness of developmental levels and needs of learners.
- be able to integrate technology into lessons to create interest and communicate knowledge.
- be able to demonstrate professional dispositions of effective teachers to positively impact student learning while contributing to the well-being of their district.

B.S.Ed. K-8 Elementary Education

Upon completion of the B.S.Ed. degree in K-8 Elementary Education, students will:

- demonstrate a deep understanding of content and pedagogy knowledge.
- demonstrate instructional design principles by planning and preparing effective lessons and learning activities for all learners.
- engage students by delivery of effective lessons and learning activities, and ensure assessment is fully aligned with the instructional outcomes in both content and process.
- create a safe and respectful learning environment with an awareness of developmental levels and needs of learners.
- integrate technology into lessons to create interest and communicate knowledge.
- demonstrate professional dispositions of effective teachers to positively impact student learning while contributing to the well-being of their district.

B.S.Ed. K-8 Elementary Education / K-12 Special Education

Upon completion of the B.S.Ed. degree in K-8 Elementary Education / K-12 Special Education, students will:

- demonstrate a deep understanding of content and pedagogy knowledge.

- demonstrate instructional design principles by planning and preparing effective lessons and learning activities for all learners.
- engage students by delivery of effective lessons and learning activities, and ensure assessment is fully aligned with the instructional outcomes in both content and process.
- create a safe and respectful learning environment with an awareness of developmental levels and needs of learners.
- integrate technology into lessons to create interest and communicate knowledge.
- demonstrate professional dispositions of effective teachers to positively impact student learning while contributing to the well-being of their district.

B.S.Ed. English Education

Upon completion of the B.S.Ed. degree in English Education, students will:

- have followed a specific curriculum and will have met appropriate performance assessments for pre-service English language arts teachers.
- be able to adopt and strengthen professional attitudes needed by English language arts teachers through modeling, advisement, instruction, field experiences, assessment of performance, and involvement in professional organizations.
- be knowledgeable about language; literature; oral, visual, and written literacy; print and non-print media; technology; and research theory and findings.
- acquire and demonstrate the dispositions and skills needed to integrate knowledge of English language arts, students, and teaching.

B.S. Exercise Science

Upon completion of the B.S. degree in Exercise Science, students will:

- demonstrate understanding of the structure and function of the human body.
- demonstrate understanding and participate in research in exercise science.
- demonstrate understanding of the relationship between physical activity, health, and nutrition.
- demonstrate understanding of ways to maintain health throughout the lifespan.
- demonstrate ability to perform, teach, and evaluate physical activity skills.
- understand the basic principles of exercise testing and prescription for the general population and athletes.

B.S.Ed. Mathematics Education

Upon completion of the B.S.Ed. degree in Mathematics Education, students will:

- know, understand and apply the process of mathematical problem solving.
- reason, construct, and evaluate mathematical arguments and develop an appreciation for mathematical rigor and inquiry.
- communicate their mathematical thinking orally and in writing to peers, faculty and others.
- recognize, use, and make connections between and among mathematical ideas and in contexts outside mathematics to build mathematical understanding.
- use varied representations of mathematical ideas to support and deepen students' mathematical understanding.
- embrace technology as an essential tool for teaching and learning mathematics.
- possess a deep understanding of how students learn mathematics and of the pedagogical knowledge specific to mathematics teaching and learning.
- demonstrate computational proficiency, including a conceptual understanding of numbers, ways of representing number, relationships among number and number systems, and the meaning of operations.
- emphasize relationships among quantities including functions, ways of representing mathematical relationships, and the analysis of change.
- use spatial visualization and geometric modeling to explore and analyze geometric shapes, structures, and their properties.
- demonstrate a conceptual understanding of limit, continuity, differentiation, and integration and a thorough background in techniques and application of the calculus.
- apply the fundamental ideas of discrete mathematics in the formulation and solution of problems.
- demonstrate an understanding of concepts and practices related to data analysis, statistics, and probability.
- apply and use measurement concepts and tools.

B.S.Ed. Physical Education

Upon completion of the B.S.Ed. degree in Physical Education, students will:

- demonstrate a deep understanding of content and pedagogy knowledge.
- demonstrate instructional design principles by planning and preparing effective lessons and learning activities for all learners.
- engage students by delivery of effective lessons and learning activities, and ensure assessment is fully aligned with the instructional outcomes in both content and process.
- create a safe and respectful learning environment with an awareness of developmental levels and needs of learners.
- integrate technology into lessons to create interest and communicate knowledge.
- demonstrate professional dispositions of effective teachers to positively impact student learning while contributing to the well-being of their district.

Undergraduate Programs – Certificate

Online Certificate in Secondary Education

Upon completion of the Online Certificate in Secondary Education, students will:

- demonstrate a deep understanding of content and pedagogy knowledge.
- demonstrate instructional design principles by planning and preparing effective lessons and learning activities for all learners.
- engage students by delivery of effective lessons and learning activities, and ensure assessment is fully aligned with the instructional outcomes in both content and process.
- create a safe and respectful learning environment with an awareness of developmental levels and needs of learners.
- integrate technology into lessons to create interest and communicate knowledge.
- demonstrate professional dispositions of effective teachers to positively impact student learning while contributing to the well-being of their district.

Graduate Programs - Master

M.S.Ed. in Educational Technology

Upon completion of the M.S. degree in Educational Technology, students will:

- demonstrate leadership in educational technology.
- be current in teaching and learning processes and practices as it relates to educational technology.
- be proficient in finding, evaluating, and using current educational research to support continuous improvement in their profession.
- be proficient using a variety of software, hardware, and programming languages.
- be able to integrate current, technology-based educational tools and products into instruction.