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.