

## Bachelor of Science in Applied Mathematics

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The following Program Learning Outcomes have been established by Evangel faculty to define the areas of knowledge and skills that students graduating from this major degree program should have developed.

1. Develop problem solving skills.
2. Model mechanical phenomena.
3. Model thermodynamic phenomena.
4. Model electromagnetic phenomena.
5. Improve technological skills.

## Bachelor of Science in Applied Science and Sustainability

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The following Program Learning Outcomes have been established by Evangel faculty to define the areas of knowledge and skills that students graduating from this major degree program should have developed.

1. Communicate a scientifically informed world view through writing.
2. Apply the scientific method to research problems in the environmental science field.
3. Use classroom theory to field understanding and application by participation in off campus class opportunities.
4. Use technology associated with the study of environmental science.

## Bachelor of Science in Biology

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The following Program Learning Outcomes have been established by Evangel faculty to define the areas of knowledge and skills that students graduating from this major degree program should have developed.

1. Demonstrate ability to know, analyze, and synthesize scientific principles.
2. Demonstrate proficiency in laboratory technique.
3. Develop understanding of function/structure/classification of life.
4. Effectively communicate principles of biology through oral means.
5. Effectively communicate principles of biology through written means.

## Bachelor of Science in Biology Education

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The following Program Learning Outcomes have been established by Evangel faculty to define the areas of knowledge and skills that students graduating from this major degree program should have developed.

1. Demonstrate ability to know, analyze, and synthesize scientific principles.
2. Demonstrate proficiency in laboratory technique.
3. Develop understanding of function/structure/classification of life.
4. Effectively communicate principles of biology through oral means.
5. Effectively communicate principles of biology through written means.

## Bachelor of Science in Chemistry

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The following Program Learning Outcomes have been established by Evangel faculty to define the areas of knowledge and skills that students graduating from this major degree program should have developed.

1. Apply theoretical principles, models, and conventions to the study of chemistry.
2. Design and perform experiments using the scientific method.
3. Analyze experimental data to draw conclusions about the physical world.
4. Effectively communicate chemistry concepts through written means.
5. Effectively communicate chemistry concepts through oral means.

## Bachelor of Science in Computer Science

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The following Program Learning Outcomes have been established by Evangel faculty to define the areas of knowledge and skills that students graduating from this major degree program should have developed.

1. Develop an optimal algorithm to solve a problem (Algorithm Development and Implementation).
2. Understand the underlying concepts and characteristics of real and conceptual machines (Computer Architecture and System Hardware).
3. Understand the software comprising a computer system (System Software).
4. Effectively communicate technical information both orally and in writing (Communication Skills).

## Bachelor of Science in Healthcare

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The following Program Learning Outcomes have been established by Evangel faculty to define the areas of knowledge and skills that students graduating from this major degree program should have developed.

1. Develop understanding of function/structure/classification of human beings and their pathogens.
2. Effectively communicate principles of biology through oral means.
3. Effectively communicate principles of biology through written means.
4. Demonstrate proficiency in laboratory techniques.
5. Demonstrate ability to know, analyze, and synthesize scientific principles.

## Bachelor of Science in Mathematics

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The following Program Learning Outcomes have been established by Evangel faculty to define the areas of knowledge and skills that students graduating from this major degree program should have developed.

1. Develop problem solving skills.
2. Model real-life phenomena.
3. Improve technological skills.
4. Improve proof techniques.

## Bachelor of Science in Mathematics Education

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The following Program Learning Outcomes have been established by Evangel faculty to define the areas of knowledge and skills that students graduating from this major degree program should have developed.

1. Develop problem solving skills.
2. Model real-life phenomena.
3. Improve technological skills.
4. Improve proof techniques.