# Bachelor of Science in Computer Science

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 critical thinking and problem-based learning skills to understand, interpret, and evaluate computer science tasks or projects.

2. Gain experience with working independently as well as part of a team.

3. Demonstrate proficiency using computer science principles in theory and practice.

4. Communicate project findings in standard written and oral formats.

5. Develop a realistic understanding of the various challenges and benefits of computer science vocations through work studies, internships, or summer research opportunities.

6. Demonstrate fluency and competency in an object-oriented programming language.

7. Integrate learning from other areas to apply concepts, principles, and theories relating to computer science to new situations.

8. Compare and evaluate design and algorithm choices used to solve computing requirements.

9. Assess the quality, accuracy, and timeliness of data.

10. Identify appropriate practices within a global, professional, legal, and ethical framework.

11. Apply relational database concepts, principles, and theories to designing and creating information systems.

12. Apply operating system and hardware concepts and principles to problem solving in the context of computer systems.

13. Apply knowledge of networking concepts and principles to solving problems related to networked computer systems.