The Computer Science B.S. program enables students to, by the time of graduation:

1. Analyze complex computing problems and apply principles of computing and other relevant disciplines (e.g., mathematics and logic) to identify solutions.

2. Design, implement, and evaluate a computing-based solution to meet a given set of computing requirements (e.g., performance and scalability) and demonstrate an understanding of the design trade-offs involved.

3. Communicate effectively in a variety of professional contexts (e.g., design proposals, technical documentation, and presentations).

4. Recognize professional responsibilities (e.g., the impact of computing on individuals, organizations, and society) and make informed judgments in computing practice based on legal and ethical principles.

5. Function effectively as a member or leader of a team engaged in activities appropriate to the program’s discipline (e.g., software development or computing research).