Math and Computer Science Learning Outcomes

1. have demonstrated proficiency in the main areas of computer science, including data structures and algorithms, computer systems, programming languages, and software development;
2. be able to draw on broad knowledge of computer science to design, implement, and test software solutions to problems in a variety of areas;
3. have demonstrated in-depth understanding of some area of computer science (theoretical foundations, computer systems, software development);
4. have demonstrated proficiency with the calculational techniques and applications of calculus and linear algebra;
5. be able to read and write mathematical proofs, producing arguments that are logically and syntactically correct;
6. have demonstrated an in-depth understanding of some area of mathematics;
7. be able to communicate and collaborate with others, and express ideas orally and in writing.