

Mathematics Major Program Outcomes

All OSU mathematics majors should:

1. have significant experience working with ideas representing the breadth of the mathematics. In particular, students should see a number of contrasting but complementary points of view:

- . Continuous and discrete
- . Algebraic and geometric
- . Theoretical and applied

2. develop logical deductive and mathematical reasoning skills, including experience in the writing of formal mathematical proofs.

3. develop mathematical problem solving skills using a variety of strategies.

4. have experience in applying mathematics to solving problems arising in other fields.

5. develop skills in communicating mathematics to a variety of audiences.

6. have experience in using computer technology to support problem solving and to promote mathematical understanding.