

## Athens State University Student Outcomes to ABET Criteria Version 2.0 Student Outcomes Mapping

Criteria Version 2.0 ABET Student Outcomes	Athens State Student Outcomes
Analyze a complex computing problem and apply principles of computer and other relevant disciplines to identify solutions.	(a) An ability to apply knowledge of computing and mathematics (b) An ability to analyze a problem, and identify and define the computing requirements appropriate to its solution (i) An ability to use current techniques, skills, and tools necessary for computing practice
Design, implement and evaluate a computing-based solution to meet a given set of computing requirements in the context of the program's discipline.	(a) An ability to apply knowledge of computing and mathematics (c) An ability to design, implement, and evaluate a computer-based system, process, component, or program to meet desired needs (i) An ability to use current techniques, skills, and tools necessary for computing practice
Communicate effectively in a variety of professional contexts.	(f) An ability to communicate effectively with a range of audiences both in oral and written form
Recognize professional responsibilities and make informed judgments in computing practice based on legal and ethical principles.	(e) An understanding of professional, ethical, legal, security and social issues and responsibilities
Function effectively as a member or leader of a team engaged in activities appropriate to the program's discipline.	(d) An ability to function effectively on teams to accomplish a common goal
Apply computer science theory and software development fundamentals to produce computing-based solutions	(a) An ability to apply knowledge of computing and mathematics (b) An ability to analyze a problem, and identify and define the computing requirements appropriate to its solution (c) An ability to design, implement, and evaluate a computer-based system, process, component, or program to meet desired needs (i) An ability to use current techniques, skills, and tools necessary for computing practice
Additional institutional outcomes only:	(g) An ability to analyze the local and global impact of computing on individuals, organizations, and society (h) Recognition of the need for and an ability to engage in continuing professional development

## Athens State University Student Outcomes to Program Objective Mapping

Athens State University Program Objectives at the time of Graduation	Athens State University Student Outcomes
PO1. Demonstrate knowledge of fundamental core concepts of Computer Science and their applications	(a) An ability to apply knowledge of computing and mathematics
PO2. Demonstrate analytical and problem-solving skills	(b) An ability to analyze a problem, and identify and define the computing requirements appropriate to its solution
PO3. Have experience with large-scale project development in a team development environment	(d) An ability to function effectively on teams to accomplish a common goal (i) An ability to use current techniques, skills, and tools necessary for computing practice
PO4. Demonstrate oral and written communication skills.	(f) An ability to communicate effectively with a range of audiences both in oral and written form
Athens State University Program Objectives 2-3 years after Graduation	Athens State University Student Outcomes
PO5. Are academically prepared to continue to graduate study or advance in their workplace	(h) Recognition of the need for and an ability to engage in continuing professional development
PO6. Are skilled, competent, and capable of contributing to the workforce in their specialty	(g) An ability to analyze the local and global impact of computing on individuals, organizations, and society (i) An ability to use current techniques, skills, and tools necessary for computing practice
PO7. Use the background they have acquired from their study of a wide range of areas in computer science as a basis for continued self-motivated growth of their professional skills and knowledge	(a) An ability to apply knowledge of computing and mathematics (b) An ability to analyze a problem, and identify and define the computing requirements appropriate to its solution (c) An ability to design, implement, and evaluate a computer-based system, process, component, or program to meet desired needs (i) An ability to use current techniques, skills, and tools necessary for computing practice
PO8. Model high ethical standards within the community and profession	(e) An understanding of professional, ethical, legal, security and social issues and responsibilities (g) An ability to analyze the local and global impact of computing on individuals, organizations, and society
PO9. Use teamwork skills effectively in the development of computer software systems.	(d) An ability to function effectively on teams to accomplish a common goal