The University of Tampa

Computer Science Program

Program Educational Objectives and Student Outcomes

The Computer Science Program at The University of Tampa's mission is to provide a high-quality education that develops depth and breadth of knowledge across computer science to prepare students to compete in the rapidly evolving field of computing. We will enable students to master the fundamentals and develop the skills needed to solve challenging problems in the discipline, providing a strong foundation that students can build on. We will prepare students to think innovatively, communicate ideas effectively, and consider ethical and social responsibilities as they practice in their field.

CS Program Educational Objectives (PEOs)

Graduates of the Computer Science Program are expected, within a few years of graduation, to:

1. Apply their computing skills by engaging in a computing profession or by pursuing a graduate degree or professional education;
2. Remain current in their profession, maintaining intellectual growth, through a commitment to lifelong learning;
3. Be productive and responsible citizens, committed to professional and ethical responsibility; and
4. Communicate effectively and work successfully in independent and team environments.

CS Program Student Outcomes (SOs)

The Computer Science Program expects student to attain, by the time of graduation, an ability to:

1. Analyze a complex computing problem and apply principles of computing and other relevant disciplines to identify solutions;
2. Design, implement, and evaluate a computing-based solution to meet a given set of computing requirements in the context of the program's discipline;
3. Communicate effectively in a variety of professional contexts;
4. Recognize professional responsibilities 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; and
6. Apply computer science theory and software development fundamentals to produce computing-based solutions.

Consistency of PEOs with the Institutional Mission

The Computer Science Program's Educational Objectives are consistent with the mission of the University:

CS Program Educational Objectives				
University Mission	Apply their computing skills by engaging in a computing profession or by pursuing a graduate degree or professional education;	Remain current in their profession, maintaining intellectual growth, through a commitment to lifelong learning	Be productive and responsible citizens, committed to professional and ethical responsibility	Communicate effectively and work successfully in independent and team environments
UTampa strives to provide a rich and inclusive learning environment for all students to prepare them for careers and lifelong learning.	✔	✔		
UTampa is committed to the development of each student to become a productive and responsible citizen.			✔	
The Spartan Studies general education curriculum helps to prepare students to be successful, contributing members of the global community.				✔

Consistency of PEOs with the College Mission

The Computer Science Program's Educational Objectives are also consistent with the mission of the College of Social Sciences, Mathematics, and Education:

CS Program Educational Objectives				
College Mission	Apply their computing skills by engaging in a computing profession or by pursuing a graduate degree or professional education;	Remain current in their profession, maintaining intellectual growth, through a commitment to lifelong learning	Be productive and responsible citizens, committed to professional and ethical responsibility	Communicate effectively and work successfully in independent and team environments
The College of Social Sciences, Mathematics, and Education at The University of Tampa will provide curricular and co-curricular experiences that create opportunities for faculty, staff and students to develop skills and build connections to positively impact individuals, their communities, and the world.	✓	✓	✓	✓