

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. The Program 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. The Program 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:

UTampa Mission Element	Aligned PEO
Deliver high-quality educational experiences to prepare students for careers and lifelong learning.	<p>PEO 1: Engage in a computing profession or pursue graduate/professional education.</p> <p>PEO 2: Remain current in the profession through lifelong learning.</p>
Foster the development of productive and responsible citizens.	<p>PEO 3: Be productive and responsible citizens, committed to professional and ethical responsibility.</p>
Support learning by balancing “learning by thinking” with “learning by doing.”	<p>PEO 1: Engage in a computing profession or pursue graduate/professional education.</p> <p>PEO 2: Remain current in the profession through lifelong learning.</p>
Facilitate student learning through personalized instruction, faculty mentorship, and applied experiences.	<p>PEO 2: Remain current in the profession through lifelong learning.</p> <p>PEO 4: Communicate effectively and work successfully in independent and team environments.</p>
Emphasize leadership, collaboration, and co-curricular engagement to support personal and professional development.	<p>PEO 4: Communicate effectively and work successfully in independent and team environments.</p>
Promote intercultural learning and prepare students to contribute to a global community.	<p>PEO 4: Communicate effectively and work successfully in independent and team environments.</p>

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:

CSSME Mission/Vision/Value	Aligned PEO
Provide experiences that build skills and connections to positively impact individuals and communities.	<p>PEO 3: Be productive and responsible citizens, committed to professional and ethical responsibility.</p> <p>PEO 4: Communicate effectively and work successfully in independent and team environments.</p>
Empower learners to make a difference (vision).	<p>PEO 1: Engage in a computing profession or pursue graduate/professional education.</p> <p>PEO 2: Remain current in the profession through lifelong learning.</p>
Support the creation of inclusive communities and resilient institutions.	<p>PEO 3: Be productive and responsible citizens, committed to professional and ethical responsibility.</p> <p>PEO 4: Communicate effectively and work successfully in independent and team environments.</p>
Connectedness: Foster meaningful collaboration and relationships.	PEO 4: Communicate effectively and work successfully in independent and team environments.
Adaptability: Embrace change and continuous learning.	PEO 2: Remain current in the profession through lifelong learning.
Transparency: Act with integrity and professional responsibility.	PEO 3: Be productive and responsible citizens, committed to professional and ethical responsibility.

CS Program Enrollment and Graduation Data

The Computer Science Program was established in 2021 and had its first student cohort (almost entirely freshmen) in the fall semester of the 2021-22 academic year. Many students from this first cohort graduated from the program in the spring semester of the 2024-25 academic year.

Academic Year	Enrollment ¹	Graduates
2024-25	112	13
2023-24	108	1
2022-23	66	0
2021-22	25	0

¹ Based on Fall enrollment.