Institutional Effectiveness Report
2019-20

Program: Computer Science MS

College and Department: College of Engineering – Computer Science

Contact: Jerry Gannod

Mission: "Our mission is to be widely recognized for enabling students to have global impact through innovative and quality programs, through research that emphasizes collaborative partnerships, and by enabling the success of a diverse student, faculty, and alumni community."

This mission is consistent with the University's mission to "provide leadership and outstanding programs in engineering, the sciences, and related areas that benefit the people of Tennessee and the nation" and with the University's commitment to the life-long success of students and to enrich the lives of people and communities in the Upper Cumberland region of Tennessee.

It is also consistent with Flight Plan, the University's strategic plan, and it's focus on improving student experience, transforming technology, and creating distinctive programs.

Program Goals

3. Time to degree completion – Timely graduation is important for students and for the responsible use of department resources. Students going beyond 2.5 years for their M.S. should be an exception. Note that we use the 2.5-year measure due to the fact that many graduate students defend late in their intended semester of graduation and will miss the defense deadline for graduation. As such, while a student successfully defends their thesis or project in one semester, they are listed as a graduate of the following semester. Our desired level of attainment is 80% graduating within 2.5 years. We are not including direct admit PhD students who are also pursuing their M.S. degree because their timeline can be very different.

Results:

SLO 1: The student should gain breadth of knowledge in the discipline and depth in the specific area of his/her specialization.

2016-17	2017-18	2018-19	2019-20

sessions both in person (2019) and virtual (2020). Our next year is to continue holding these information sessions, and improve Fast Track's visibility on social media and department websites.

Appendices

1. Curriculum Map

Appendix 1: Curriculum Map

Computer Science Master's Program

Course	Title	Student Outcomes		
		SLO1	SLO2	SLO3
CSC 5100	Operating Systems	X	X	X
CSC 5200	Computer Networks	X	X	X
CSC 5220	Data Mining/Machine Learning	X	X	X
CSC 5240	Artificial Intelligence	X	X	X

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CSC 6450	Adv Theory of Computation	X	X	X
CSC 6575	Internet Security	X	X	X
CSC 6580	Advanced Reverse Engineerin	X	X	X
CSC 6585	Secure Software Development	X	X	X
CSC 6730	Advanced Networking	X	X	X
CSC 6740	Parallel/Distributed Algorithm	X	X	X
CSC 6760	Grid Computing	X	X	X
CSC 6770	Service Oriented Computing	X	X	X
CSC 6780	Distributed Computing	X	X	X
CSC 6910	Computer Science Seminar	X	X	X
CSC 6980	Masters Project	X	X	X
CSC 6990	Research & Thesis	X	X	X