The following [Engineering for Professionals courses](#) have been approved for the CS program. Noted equivalencies in the course number column means you can't take both the EP course and our equivalent course for credit towards your degree program.

A maximum of two EP courses may be applied to the CS program degree requirements with faculty advisor approval.

605.601	Foundations of Software Engineering	Software
605.611	Foundations of Computer Architecture	Systems
605.612 == 601.418/618	Operating Systems	Systems
605.620	Algorithms for Bioinformatics	Applications
605.621 == 601.433/633	Foundations of Algorithms	Theory
605.625 == 601.476/676	Probabilistic Graphical Models	Reasoning
605.635 == 601.419/619	Cloud Computing	Systems
605.641 == 601.415/615	Principles of Database Systems	Software
605.645 == 601.464/664	Artificial Intelligence	Reasoning
605.647	Neural Networks	Reasoning
605.649 == 601.475/675	Introduction to Machine Learning	Reasoning
605.704	Object-Oriented Analysis and Design	Software
605.724 == 601.436/636	Applied Game Theory	Theory
605.728	Quantum Computation	Theory
605.741	Large-Scale Database Systems	Systems
605.746	Advanced Machine Learning	Reasoning
605.751	Algorithms for Structural Bioinformatics	Applications
605.772 == 601.444/644	Network and Security Management	Software