	1	2	3	4	5	6	7	8	9	10	11	12
Program-Level Learning Outcome (PLLO)	COSC 1436	COSC 1437	COSC 2329	COSC 2347	COSC 3318	COSC 3319	COSC 4319	COSC 4349	DFSC 1316	DFSC 2316	DFSC 3316	DFSC 4317
1 Use cyber defense technologies and exploitation tools to identify and solve cybersecurity issues in software							X		X	x	x	X
2 Understand information security policies and identify ethical issues related to cyberspace					X		X		X	x	x	X
3 Develop teamwork skills and communicate effectively with others to solve challenging problems					X		X					X
4 Optimize the effectiveness of cybersecurity tools by performing threat mitigation, digital forensic analysis, and software vulnerability assessment							X		X	x	X	X
5 Develop special knowledge in hardware design and software development	X	X	X	X	X	X	X		X	X	X	X