

Department: EECS
Program: BS CS

Skill Set	Professional Application	Delivery of Skill Set Courses, extracurricular activities, etc. in which the skill set is introduced (I), reinforced (R), or mastered (M)
Analyze a complex computing problem and to apply principles of computing and other relevant disciplines to identify solutions	Software design	(I) EEEN 2340, CSEN 2304, 2306, 2328 (R) EEEN 3449, CSEN 3314 (M) EEEN 4344, CSEN 4201, 4320
Design, implement, and evaluate a computing-based solution to meet a given set of computing requirements in the context of the program's discipline	Software design	(I) GEEN 1201, CSEN 2306, 2310 (R) EEEN 3449, CSEN 3315, 3316 (M) EEEN 4344, CSEN 4317, 4362, 4366
Communicate effectively in a variety of professional contexts	Technical and non-technical presentations, and interactions with non-engineers/computer scientists	(I) communication elective (R) CSEN 3316 (M) CSEN 4202
Recognize professional responsibilities and make informed judgments in computing practice based on legal and ethical principles	Software design	(I) GEEN 1201 (R) CSEN 4340, 4366 (M) CSEN 4202
Function effectively as a member or leader of a team engaged in activities appropriate to the program's discipline	The majority of software projects are team-based	(I) GEEN 1201 (R) CSEN 3316, 4201 (M) CSEN 4202, 4317, 4340
Apply computer science theory and software development fundamentals to produce computing-based solutions	Software design	(I) CSEN 3316 (R) CSEN 4201, 4317 (M) CSEN 4202