

**Department: Department of Electrical Engineering and Computer Science**  
**Program: MS in Mechatronics Engineering**

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)
an ability to apply knowledge of mathematics, science, and engineering	Engineering design	(I and R) undergrad coursework (M) MHEN 5370, 5371, 5372, 5373
an ability to communicate effectively	Technical and non-technical writing, presentations, and interactions with engineers and non-engineers	(I and R) undergrad coursework (M) MHEN 5306
an ability to use the techniques, skills, and modern engineering tools necessary for engineering practice	Engineering design	(I and R) undergrad coursework (M) MHEN 5370, 5371, 5372, 5373, 5374, and various MEEN, CSEN, and EEEN elective courses
an ability to propose and complete new research	Research and development for new products	(I and R) undergrad coursework (M) MHEN 5306
an ability to apply knowledge of mathematics, science, and engineering	Engineering design	(I and R) undergrad coursework (M) MHEN 5370, 5371, 5372, 5373