

## Grace College Mechanical Engineering Degree Student Outcomes

1. An ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics.
2. An ability to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors.
3. An ability to communicate effectively with a range of audiences.
4. An ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts engineering design experience.
5. An ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives.
6. An ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions.
7. An ability to acquire and apply new knowledge as needed, using appropriate learning strategies.
8. An ability to perform hands-on industry relevant engineering tasks like machining, testing, and designing using CAD software.
9. An ability to identify and perform service activities using their engineering skills.

### Enrollment in the Bachelors of Mechanical Engineering Degree at Grace College

	Academic Year		Enrollment Year					Total Undergrad	Degrees Awarded – Anticipated May 2021
			1st	2nd	3rd	4th	5th		Bachelors
Previous Academic Year	2019–2020	FT	5	6	3	0	0	14	0
		PT	0	0	0	0	0	0	0
Current Academic Year	2020–2021	FT	14	4	4	3	0	25	3
		PT	0	0	0	0	0	0	0