

Master of Science in Engineering

Expanded Statement of Institutional Purpose

Institutional Mission Reference

The M.S. in Engineering offers graduate students a high quality degree program in Engineering that meets the national standard of excellence. Program faculty is committed to quality teaching and the discovery of new knowledge. The M.S. Engineering program supports the University's mission of providing advanced professional education for the Hampton Roads area and the Commonwealth.

Institutional Goal(s) Supported

The M.E. program supports University goals of (a) quality graduate academic programs, (b) quality teaching, (c) discovery of new knowledge, and (d) community service. (See pages 4 of the Old Dominion University).

Intended (Student) Outcomes, Methods for Assessment, and Criteria for Success

Intended Outcome 1

Graduates will have advanced knowledge in their chosen field.

Method for Assessing Outcome 1 and Criterion for Success:

The students' Master's Committee will assess this outcome based on performance on the thesis defense. 100% of graduates are expected to have adequate or higher knowledge.

Intended Outcome 2

Graduates will have the ability to identify and formulate an advanced level engineering problem, to collect and analyze the relevant data and to develop a solution.

Method for Assessing Outcome 2 and Criterion for Success:

The students' Master's Committee will assess this outcome based on the Master's Thesis. 100% of graduates are expected to have adequate or higher ability.

Intended Outcome 3

Graduates will have the ability to conduct independent research in their chosen field.

Method for Assessing Outcome 3 and Criterion for Success: The students' Master's Committee will assess this outcome based on the Master's Thesis. 100% of the graduates are expected to have adequate or higher ability.

Intended Outcome 4

Graduates will have the ability to present ideas and advanced technical material in writing.

Method for Assessing Outcome 4 and Criterion for Success:

The students' Master's Committee will assess this outcome based on the Master's Thesis. At least 80% of graduates are expected to have adequate or higher ability.

Intended Outcome 5

Graduates will have the ability to present ideas and advanced technical material verbally and visually.

Method for Assessing Outcome 5 and Criterion for Success: The students' Master's Committee will assess this outcome based on performance on Master's Thesis defense. At least 80% of graduates are expected to have adequate or higher ability.