

# Doctor of Philosophy -- Engineering

## *Expanded Statement of Institutional Purpose*

### **Institutional Mission Reference**

The Ph.D. 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 Ph.D. 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 Ph.D. Engineering program supports University goals of (a) quality graduate academic programs, (b) quality teaching, (c) discovery of new knowledge, and (d) community service. (See page 4 of the Old Dominion University Catalog).

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

### **Intended Outcome 1**

Graduates will have high level advanced knowledge in their chosen field.

**Method for Assessing Outcome 1 and Criterion for Success:** The students' Dissertation Committee will assess this outcome based on performance on the dissertation defense. 100% of graduates are expected to have adequate or higher knowledge.

### **Alternate Method for Assessing Outcome 1 and Criterion for Success:**

### **Intended Outcome 2**

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

**Method for Assessing Outcome 2 and Criterion for Success:** The students' Dissertation Committee will assess this outcome based on the Doctoral Dissertation. 100% of graduates are expected to have adequate or higher ability.

**Alternate Method for Assessing Outcome 2 and Criterion for Success:**

**Intended Outcome 3**

Graduates will make a doctoral level original contribution to knowledge in their chosen field.

**Method for Assessing Outcome 3 and Criterion for Success:** The students' Dissertation Committee will assess this outcome based on the Doctoral Dissertation. 100% of graduates are expected to make an adequate or higher contribution.

**Alternate Method for Assessing Outcome 3 and Criterion for Success:**

**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' Dissertation Committee will assess this outcome based on the Doctoral Dissertation. At least 80% of graduates are expected to have adequate or higher ability.

**Alternate Method for Assessing Outcome 4 and Criterion for Success:**

**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' Dissertation Committee will assess this outcome based on performance on the dissertation defense. At least 80% of graduates are expected to have adequate or higher ability.