

Department of Electrical and Computer Engineering
Naval Postgraduate School
Monterey, California

Undergraduate Education Evaluation Form

The Department of Electrical and Computer Engineering at the Naval Postgraduate School is accredited at the Master of Science degree level through the Accreditation Board of Engineering and Technology. Students earning a Master of Science in Electrical Engineering or a Degree of Electrical Engineer at NPS, must either have attained an ABET accredited undergraduate Electrical Engineering degree, or earned the equivalency of a Bachelor of Science Degree in Electrical Engineering. Some courses from the student's undergraduate institution may count towards this equivalency, even though the final undergraduate degree may not have been in Electrical Engineering. Some courses taken at NPS may also be applied to meeting the undergraduate equivalency. This evaluation form is provided to document the completion of this equivalency.

Name of Student: _____ Email Address: _____

Enrollment Date: _____ Intended Graduation Date: _____

Institutions Attended	Dates of Attendance	Degrees Received	ABET Accredited (Yes/No) ¹

¹ Skip the rest of the form if you have an ABET accredited BSEE degree.

I certify the information on all pages of this form is complete and correct.

Signature of Student: _____ Date: _____

We certify this student has met the minimum requirements for the undergraduate equivalence to a BSEE Degree.

 ECE Department Academic Associate, Date

 ECE Associate Chair for Students, Date

 Program Officer, Date

I. Mathematics

- A. A minimum of 24 quarter credit hours or 16 semester credit hours of college-level mathematics is required. **List all college-level mathematics courses passed with a grade of C- or better in chronological order from least recently taken to most recently taken.** For each course, indicate the college or university where the course was taken, the course number, the course title, and the number of credit hours.

University	Number	Title	Qtr Credits	Sem Credits
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
Qtr Credits Subtotal:	_____	Sem Credits Subtotal:	_____	_____
Total Credits (Qtr Credits + (1.5 x Sem Credits)):		_____		

- B. For each of the following mathematics subjects that has been studied, **indicate the college or university where the subject was studied, the course number, and the course title.** All courses must have been passed with a grade of C- or better.

Subject	University	Number	Title
Differential Calculus	_____	_____	_____
Integral Calculus	_____	_____	_____
Differential Equations	_____	_____	_____
Linear Algebra	_____	_____	_____
Complex Variables	_____	_____	_____
Discrete Mathematics	_____	_____	_____
Probability	_____	_____	_____
Statistics	_____	_____	_____

V. Overall Evaluation of Academic Background

Section to be filled out by Academic Associate during final student interview after reviewing the student academic background

<i>Student has demonstrated that he/she has:</i>	<i>Satisfied by (Check all that apply) ✓</i>			
	<i>Course Work</i>	<i>Design Experience</i>	<i>Work or Military Experience</i>	<i>Comments</i>
An ability to apply knowledge of mathematics, science, and engineering				
An ability to design and conduct experiments, as well as to analyze and interpret data				
An ability to design a system, component, or process to meet desired needs				
An ability to function on multi-disciplinary teams				
An ability to identify, formulate, and solve engineering problems				
An understanding of professional and ethical responsibility				
The broad education necessary to understand the impact of engineering solutions in a global and societal context				
A recognition of the need for, and an ability to engage in life-long learning				
A knowledge of contemporary issues				
An ability to use the techniques, skills, and modern engineering tools necessary for engineering practice				

Additional comments:

Naval Postgraduate School
Department of Electrical and Computer Engineering
List of Undergraduate Level Courses

General Purpose

EC1010 Introduction to MATLAB, P/F only (1.5 quarter credits)

EC2010 Probabilistic Analysis of Signals and Systems (3.5 quarter credits)

Circuits and Electronics

EC2100 Circuit Analysis (4 quarter credits)

EC2110 Circuit Analysis II (4 quarter credits)

EC2200 Introduction to Electronics Engineering (4.5 quarter credits)

Controls

EC2300 Control Systems (4 quarter credits)

EC2320 Linear Systems (3.5 quarter credits)

Signal Processing

EC2400 Discrete Systems (3.5 quarter credits)

EC2410 Analysis of Signals and Systems (3.5 quarter credits)

EC2450 Accelerated Review of Signals and Systems - offered online and P/F only. *Only available as a refresher for students who covered these concepts in their undergraduate program, not available for students who did not cover concepts before, credits will not count towards undergraduate equivalency.* (4 quarter credits)

Communications

EC2500 Communications Systems (4 quarter credits)

Electromagnetics

EC2650 Fundamentals of Electromagnetic Fields (4.5 quarter credit)

Computers

EC2820 Digital Logic Circuits (4 quarter credits)

EC2840 Introduction to Microprocessors (4 quarter credits)

Design

EC2220 Electrical Engineering Design; ABET Design Project in Electrical Engineering (5 quarter credits), *required for students without an undergraduate degree in Engineering*