

# NEURAL ENGINEERING GRADUATE CERTIFICATE

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## Introduction

The certificate in neural engineering will provide students with focused knowledge in this growing sub-discipline of bioengineering, with a focus on use of engineering techniques to understand, repair, replace, or enhance neural systems. The certificate will provide students with an in depth introduction to cellular and systems neuroscience, neural interfaces, neuroimaging, and neurocomputation. Learning goals are designed to prepare students to work in industry or academia in this fast-paced and growing field. Instruction will be provided under experienced world-class faculty to gain expertise in current state-of-the-art technologies. The certificate has elective course options to allow the student to develop a deeper understanding of a particular focus area within neural engineering.

## Admissions

The certificate is twelve credit hours and is open to all graduate students in Engineering or Neuroscience at University of Colorado Denver | Anschutz Medical Campus.

## Certificate Requirements

Complete the following courses:

Code	Title	Hours
BIOE 5073	Neural Interfaces and Bionic Limbs (Spring Only)	3
NRSC 7610	Fundamentals of Neurobiology (Spring Only) <sup>1</sup>	3
	Technology elective	3
	Neuroscience elective	3
<b>Total Hours</b>		<b>12</b>

<sup>1</sup> This course has different start/end dates from the CU Denver academic calendar.

For additional information about the certificate and to review the Certificate Program Application form, please visit our website (<https://engineering.ucdenver.edu/bioengineering/certificate-programs/neural-engineering/>).