TRAD 6210 - Research/Development in Alzheimer's Disease/ Dementias (1 Credit)
The course will facilitate a solid understanding of translational research on Alzheimer's Disease and Alzheimer's Disease Related Dementias. The course will discuss with industrial experts a wide variety of issues in academic versus industrial research related to Translational Research on Alzheimer's Disease and Alzheimer's Disease Related Dementias. Grades: Letter Grade
Typically Offered: Fall, Spring.

TRAD 6212 - Mini-Rotations AD/ADRD Translational Research (2 Credits)
The course will facilitate short three week mini-rotations in facilities that conduct translational research connected with Alzheimer's Disease or Alzheimer's Disease Related Dementias in academic or industrial settings. Grades: Letter Grade
Typically Offered: Fall, Spring.

BSBT 6112 - Introduction to Biocomputing (2 Credits)
This course provides students with hands on experience in basic computation, database, and programming skills set as a pre-requisite for a higher level data analysis course. The students will use example in the context of biomedical and genomic dataset. Requisite: Must be simultaneously enrolled in BSBT 6113. Grades: Letter Grade
Typically Offered: Fall.

### Certificate Requirements

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<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tr>
<td>TRAD 6210</td>
<td>Translational Research - Alzheimer's Disease/ Dementias</td>
<td>4</td>
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BSBT 6113 - Data Science with R (1 Credit)
In this 4 weeks semi-independent study course, you will learn how to use the "tidyverse" programming paradigm to perform data science operation using the programming language R. At the end of the course, you will learn the basic understanding of the fundamental elements of data science, including; wrangling, exploration, visualization and modeling.
Grading Basis: Letter Grade
Typically Offered: Fall.

PMED 6210 - Multi-Omic Approaches in Personalized Medicine (3 Credits)
PMED6210 introduces students to cutting-edge concepts, technologies, analytic methods, and databases for a wide-range of ‘omics approaches that form the foundation of personalized medicine. Critical evaluation of literature utilizing ‘omics methods for personalized medicine will also be emphasized. Requisite: PMED 6010.
Grading Basis: Letter Grade
A-GRAD Restricted to graduate students only.
Typically Offered: Spring.

Policies
Please refer to the Graduate School Policies page (http://catalog.ucdenver.edu/cu-anschutz/schools-colleges-programs/graduate-school/#policiestext).

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