

Post-Baccalaureate Certificate in Machine Learning in Biomedical Sciences

Program Description

The Post-Baccalaureate Certificate in Machine Learning Biomedical Sciences applies machine learning principles to problems in the life sciences, including drug discovery, medical imaging, and omics. After building a foundation of computer programming and machine learning, students will gain practical experience by applying problem specific models in course projects.

Post-Baccalaureate Certificate in Machine Learning in Biomedical Sciences Requirements

12 credits

| Code | Title | Hours |
|--|---|-------|
| Complete the following 6 Credits: | | |
| CS 6330 | Programming for Machine Learning in Life Sciences (Prerequisites: Admission to program.) | 3 |
| CS 6331 | Machine Learning for Life Sciences (Prerequisites: Admission to program.) | 3 |
| Complete 6 credits from the following: | | |
| CS 6341 | Machine Learning for Drug Discovery (Prerequisites: CS 6330 and CS 6331.) | 3 |
| CS 6342 | Machine Learning for Medical Imaging (Prerequisites: CS 6330 and CS 6331.) | 3 |
| CS 6343 | Machine Learning for Genomics, Transcriptomics and Proteomics (Prerequisites: CS 6330 and CS 6331.) | 3 |
| CS 6349R | Special Topics in Machine Learning for Life Sciences (Prerequisite: Instructor Permission) | 1-3 |

Admission Requirements

1. Complete the online application.
2. Bachelor, Master, or Ph.D. in Life Sciences or related field.

Completion Requirements

1. Complete all coursework with a B- or higher.
2. Complete CS 6330 and CS 6331.
3. Complete 6 credits from CS 6341, CS 6342, CS 6343, CS6349R
4. At least 12 credits at Utah Tech University for residency.
5. Receive at least a 3.0 GPA for the program.