

# AT 504: Applied Biomechanics and Measurement

## [School of Applied Sciences](#)

The overarching goal of this course is to develop students' knowledge and appreciation of the instrumentation used to evaluate human motor function. We will provide a general overview of data collection techniques in biomechanics, electrophysiology of muscle, and functional imaging related research. Additionally, hands-on experience will be gained through laboratory experiences using motion capture, EMG, force transducers, and other biomechanical data collection techniques.

4 Credits

### Prerequisites

- Prerequisite: Junior standing (60 hr).

### Instruction Type(s)

- Lecture/Lab: Lecture/Lab for AT 504
- Lecture/Lab: Web-based Lecture/Lab for AT 504
- Lecture/Lab: Online Program for AT 504

### Subject Areas

- [Athletic Training/Trainer](#)

