# ORTHOTICS AND PROSTHETICS MAJOR (BS TRADITIONAL)

Majoring in Orthotics and Prosthetics involves the study of how to design and fit braces, artificial limbs, and other devices that help individuals lead full lives. Students will learn to effectively analyze, design, and construct appropriate orthotics and prosthetics and make sound ethical decisions surrounding their use. How is gait analysis conducted? What role can patient counseling play? What materials should be used in fabrication? This program, offered in partnership with Century College, provides the educational preparation to become an ABC certified assistant.

## General Education Requirements

All degree seeking undergraduate students must complete the general education (http://catalog.csp.edu/undergraduate/academic-information/general-education-requirements/) requirements.

## Degree Requirements

Bachelor of Science (http://catalog.csp.edu/undergraduate/academic-information/graduation-requirements/#bs) degree consists of a major of typically 30 to 60 credits, general education courses, upper-level requirements, and elective courses totaling a minimum of 120 credits.

| Code | Title | Credits |
|---|---|---|
| **Required Courses taken at Century College** | | |
| OPCA 2010 | Clinical Applications of Lower Extremity Orthoses | 4 |
| OPCA 2030 | Clinical Applications of Upper Extremity Orthoses | 3 |
| OPCA 2040 | Clinical Applications of Spinal Orthoses | 4 |
| OPCA 2050 | Clinical Applications of Trans-Tibial Prostheses I | 3 |
| OPCA 2060 | Clinical Applications of Trans-Tibial Prostheses II | 4 |
| OPCA 2070 | Clinical Applications of Trans-Femoral Prostheses | 4 |
| OPCA 2080 | Clinical Applications of Upper Limb Prostheses | 4 |
| OPCA 2090 | Clinical Internship | 2 |
| **Required Courses taken at Concordia** | | |
| BIO 315 | Human Anatomy and Physiology I | 4 |
| BIO 316 | Human Anatomy and Physiology II | 4 |
| KHS 220 | Research Methods | 4 |
| KHS 400 | Health Psychology | 4 |
| KHS 436 | Motor Development, Control & Motor Learning | 4 |
| HCR 435 | Ethics and Decision Making in Health Care Environments | 4 |
| KHS 472 | Athletic Training, Injury Prevention, and Safety | 4 |
| KHS 473 | Biomechanics | 4 |
| **Total Credits** | | **60** |