

## About JJC

Joliet Junior College, the nation's first public community college, is the college of choice for life-changing learning opportunities. For more than 100 years, JJC has been an institution of affordable, accessible and quality education, enriching lives through high quality programs and services. JJC is a place to grow as a person, to share in a community of learning, and to be inspired by new ideas. With an average class size of 17, JJC students experience a stimulating learning environment where they are taught by the best. JJC has the second most full-time instructors for community colleges in Illinois, and more than 80 percent of professors have a master's degree or higher.

## Admissions Office

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## Orthotics and Prosthetics Program

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## Lower Extremity Orthotics Technology

### Certificate of Completion (CCO)

OPT 100	Introduction to O&P	2.0
OPT 101	Lower Limb Orthotics I	4.0
OPT 103	Lower Limb Orthotics II	4.0
OPT 104	Lower Limb Orthotics III	4.0
OPT 106	Orthotics and Prosthetics Skills Development	4.0
OPT 107	Orthotics and Prosthetics Biomaterials	3.0

**Total Required Hours 21.0**

## Spinal and Upper Extremity Orthotics

### Certificate of Completion (CCO)

OPT 100	Introduction to O&P	2.0
OPT 102	Spinal Orthotics	4.0
OPT 105	Upper Limb Orthotics	3.0
OPT 106	Orthotics and Prosthetics Skills Development	4.0

**Total Required Hours 13.0**

## Transtibial Prosthetics Technology

### Certificate of Completion (CCO)

OPT 100	Introduction to O&P	2.0
OPT 106	Orthotics and Prosthetics Skills Development	4.0
OPT 107	Orthotics and Prosthetics Biomaterials	3.0
OPT 200	Transtibial Prosthetics	4.0

**Total Required Hours 13.0**

## Transfemoral Prosthetics Technology

### Certificate of Completion (CCO)

OPT 100	Introduction to O&P	2.0
OPT 106	Orthotics and Prosthetics Skills Development	4.0
OPT 107	Orthotics and Prosthetics Biomaterials	3.0
OPT 201	Transfemoral Prosthetics	4.0

**Total Required Hours 13.0**

## Upper Extremity Prosthetics Technology

### Certificate of Completion (CCO)

OPT 100	Introduction to O&P	2.0
OPT 106	Orthotic Prosthetic Skills Development	4.0
OPT 107	Orthotic Prosthetic Biomaterials	3.0
OPT 202	Upper Extremity Prosthetics	4.0

**Total Required Hours 13.0**

To join the JJC Orthotics and Prosthetics program, students are required to possess a high school diploma or a GED. Students should be able to manipulate 35 pounds and possess manual dexterity.

For the most up-to-date information about the Orthotics and Prosthetics program at JJC, visit [www.jjc.edu/info/opt](http://www.jjc.edu/info/opt).



**Associate in Applied Science (AAS)**  
Orthotics and Prosthetics Technology

**Certificate of Achievement (CAC)**  
Orthotics Technology  
Prosthetics Technology

**Certificate of Completion (CCO)**

Orthotics Technology  
Prosthetics Technology  
Lower Extremity Orthotics Technology  
Spinal and Upper Extremity Orthotics  
Transtibial Prosthetics Technology  
Transfemoral Prosthetics Technology  
Upper Extremity Prosthetics Technology



# Orthotics and Prosthetics Technology

**Orthotics and prosthetics** is an in-demand profession involving orthopedic braces (orthoses) and artificial limbs (prostheses). The industry provides a vital service to the rehabilitation medicine community and to individuals with disabilities. Through JJC's program, students will be given the foundation and skill set to enter a career that stimulates the mind, allows for creativity and innovation and ultimately makes a difference in patients' lives.

**Career options are many** for orthotics and prosthetics professionals, who often have careers as practitioners, assistants, fitters or technicians. They work in a variety of settings such as private practices, hospitals, rehabilitation facilities, specialty clinics and home health settings. Some may choose to focus on pediatrics, sports or other specialty areas. All areas require some degree of advanced education combined with hands-on clinical training and experience. Certified students may enter the orthotics and prosthetics workforce as technicians, providing the technical skills of fabricating, fitting, repairing and maintaining the devices.



## Fast Fact

JJC's Orthotics and Prosthetics program is one of only six at a community college in the country.



### About the Program

The Orthotics and Prosthetics Technology program at JJC will provide students with the fundamental knowledge and hand skills required in the industry. Through general education, core curriculum and specific orthotics and prosthetics courses, students will gain good verbal and graphical communication skills, a working knowledge of measurements and mathematics, basic human anatomy and medical terminology, and specific technical skills required to perform the work of an orthotics and prosthetics technician. Completion of the AAS degree will allow students to be eligible to sit for the Certified Orthotics and Prosthetics Technician Exam.\*

\*Program is undergoing accreditation process.

## Orthotics and Prosthetics Technology

### Associate in Applied Science (AAS)

<b>General Education Requirements</b>	<b>15.0 – 16.0</b>
ENG 101 Rhetoric	3.0
or ENG 130 Technical Report Writing	3.0
MATH 107 and 108 Technical Mathematics	6.0
or MATH 119 Technical Mathematics	5.0
BIO 125 Human Biology	4.0
Social Science Elective	3.0

<b>Core Concentration Requirements</b>	<b>15.0</b>
<i>(Common to both Orthotics and Prosthetics)</i>	
BIO 100 Medical Terminology	3.0
EGR 100 Introduction to Engineering Graphics	1.0
EEAS 101 Basic Wiring and Circuit Design	4.0
OPT 106 Orthotics and Prosthetics Skills Development	4.0
OPT 107 Orthotics and Prosthetics Biomaterials	3.0

<b>Major Core Requirements</b>	<b>41.0</b>
OPT 100 Introduction to O&P	2.0
OPT 101 Lower Limb Orthotics I	4.0
OPT 102 Spinal Orthotics	4.0
OPT 103 Lower Limb Orthotics II	4.0
OPT 104 Lower Limb Orthotics III	4.0
OPT 105 Upper Limb Orthotics	3.0
OPT 200 Transtibial Prosthetics	4.0
OPT 201 Transfemoral Prosthetics	4.0
OPT 202 Upper Limb Prosthetics	4.0
OPT 195 OPT Clinical Experience I	4.0
OPT 295 OPT Clinical Experience II	4.0

**Total Required Hours 71.0- 72.0**

## Orthotics Technology

### Certificate of Achievement (CAC)

<b>General Education Requirements</b>	<b>6.0</b>
ENG 101 Rhetoric	3.0
Or ENG 130 Technical Report Writing	3.0
MATH 107 Technical Mathematics (or a higher course)	3.0

<b>Core Concentration Requirements</b>	<b>15.0</b>
<i>(Common to both Orthotics and Prosthetics)</i>	
BIO 100 Medical Terminology	3.0
EGR 100 Introduction to Engineering Graphics	1.0
EEAS 101 Basic Wiring and Circuit Design	4.0
OPT 106 Orthotics and Prosthetics Skills Development	4.0
OPT 107 Orthotics and Prosthetics Biomaterials	3.0

<b>Major Core Requirements</b>	<b>29.0</b>
OPT 100 Introduction to O&P	2.0
OPT 101 Lower Limb Orthotics I	4.0
OPT 102 Spinal Orthotics	4.0
OPT 103 Lower Limb Orthotics II	4.0
OPT 104 Lower Limb Orthotics III	4.0
OPT 105 Upper Limb Orthotics	3.0
OPT 195 OPT Clinical Experience I	4.0
OPT 295 OPT Clinical Experience II	4.0

**Total Required Hours 50.0**



### Employment Outlook

Employment rates for orthotics and prosthetics graduates are very favorable due to a national shortage of trained personnel in the field. According to the 2009 (based on 2008 data) American Orthotic and Prosthetic Association Operating Performance & Compensation Report, average compensation (base salary, bonus and commission) based on the following job titles is:

- \$95,667 for an American Board for Certification in Orthotics, Prosthetics & Pedorthics Certified Orthotist/Prosthetist with an average of 15 years experience.
- \$48,214 for an ABC registered technician is with an average of 11 years experience.
- \$38,581 for a fitter is with an average of six years experience.
- \$37,007 for a National Commission on Orthotic and Prosthetic Education resident is with an average of one year experience.

*Note: Compensation varies based on many factors, e.g., geographical location, years of experience, inclusion or exclusion of fringe benefits. Salary information for assistants was not included in the survey.*

Source: [www.opcareers.com](http://www.opcareers.com)

## Prosthetics Technology

### Certificate of Achievement (CAC)

<b>General Education Requirements</b>	<b>6.0</b>
ENG 101 Rhetoric	3.0
Or	
ENG 130 Technical Report Writing	3.0
MATH 107 Technical Mathematics (or a higher course)	3.0

<b>Core Concentration Requirements</b>	<b>15.0</b>
<i>(Common to both Orthotics and Prosthetics)</i>	
BIO 100 Medical Terminology	3.0
EGR 100 Introduction to Engineering Graphics	1.0
EEAS 101 Basic Wiring and Circuit Design	4.0
OPT 106 Orthotics and Prosthetics Skills Development	4.0
OPT 107 Orthotics and Prosthetics Biomaterials	3.0

<b>Major Core Requirements</b>	<b>23.0</b>
OPT 100 Introduction to O&P	2.0
OPT 200 Transtibial Prosthetics	4.0
OPT 201 Transfemoral Prosthetics	4.0
OPT 202 Upper Limb Prosthetics	4.0
OPT 195 OPT Clinical Experience I	4.0
OPT 295 OPT Clinical Experience II	4.0

**Total Required Hours 43.0**

## Orthotics Technology

### Certificate of Completion (CCO)

OPT 100 Introduction to O&P	2.0
OPT 101 Lower Limb Orthotics I	4.0
OPT 102 Spinal Orthotics	4.0
OPT 103 Lower Limb Orthotics II	4.0
OPT 104 Lower Limb Orthotics III	4.0
OPT 105 Upper Limb Orthotics	3.0
OPT 106 Orthotics and Prosthetics Skills Development	4.0
OPT 107 Orthotics and Prosthetics Biomaterials	3.0

**Total Required Hours 28.0**

## Prosthetics Technology

### Certificate of Completion (CCO)

OPT 100 Introduction to O&P	2.0
OPT 106 Orthotics and Prosthetics Skills Development	4.0
OPT 107 Orthotics and Prosthetics Biomaterials	3.0
OPT 200 Transtibial Prosthetics	4.0
OPT 201 Transfemoral Prosthetics	4.0
OPT 202 Upper Limb Prosthetics	4.0

**Total Required Hours 21.0**