



## 2007-2008 Career Planning Guide

# ORTHOTIC-PROSTHETIC TECHNICIAN

### Spokane Falls Community College

**Spokane Falls Community College**  
3410 West Fort George Wright Drive  
Spokane, Washington 99224-5288  
[www.spokanefalls.edu](http://www.spokanefalls.edu)

**Completion Award:** A.A.S. Degree, Certificate

**Start:** Fall, Winter, Spring

#### **Tuition and Fees**

**Approximate Quarterly Cost:** (subject to change without notice)

Books	\$	50
Supplies and Equipment*	\$	600

\* Estimate for entire program. Tools purchased at beginning of program.

**PROGRAM WEBSITE:** <http://tech.spokanefalls.edu/OandP/>

### **Program Description**

Orthotics and prosthetics is the design and fabrication of braces and artificial limbs and is one of today's rapidly growing health-related professions. Advancing materials technology and an increasing demand for orthotic-prosthetic services has led to an increase in the amount of technical support needed. There are many opportunities nationally for the students completing a formal training program in orthotics and prosthetics.

The primary objective is to train students in the general fabrication procedures of orthotic and prosthetic devices, which include working with plastic, metal, leather, plaster, and orthotic and prosthetic components. Subjects covered include related human anatomy, technology of materials, hand and power tools, equipment, and laboratory safety.

A certificate is awarded at the completion of the orthotics program and at the completion of the prosthetics program. An associate in applied science degree in orthotics and prosthetics is granted to students who successfully complete both programs.

### **ESSENTIAL REQUIREMENTS:**

Orthotic and prosthetic technicians are master craftsmen who work on their feet all day and must be able to use their upper extremities in a wide range of motions, which include balancing, pushing, pulling, bending, stretching, and grasping, etc. of various materials and using power and hand tools. Because of this, fine and gross motor coordination and dexterity are essential requirements for any student considering this program. Individuals considering this career should carefully investigate the physical demands required of orthotic and prosthetic technicians.

### **SUCCESS IN THE PROGRAM:**

Must be able to work from written instructional textbooks with relative independence. While prior experience is not required, successful students typically have developed skill in the use of hand and power tools and possess fine-motor hand skills.

\* Individuals must be able to demonstrate the ability to work safely with a wide range of power tools and will be required to pass a safety clearance check on power equipment usage. Anyone who cannot meet these requirements will be considered unqualified to continue in the program.

### **Career Opportunities**

Successful completion of the formal training program qualifies technicians for job opportunities in orthotic and prosthetic clinics, central fabrication facilities, hospitals, and government agencies throughout the country.

## Suggested Course of Study 2007-2008

Consult Adviser/Counselor for Program Planning and Selection of Electives

### ORTHOTIC-PROSTHETIC TECHNICIAN A.A.S. Degree, Certificate: SFCC

A certificate is awarded at the completion of the orthotics program and at the completion of the prosthetics program. An associate in applied science degree in orthotics and prosthetics is granted to students who successfully complete both programs.

Prosthetics Certificate Program		Orthotics Certificate Program	
One year of two-year A.A.S. degree in Orthotic-Prosthetic Technician program.		One year of two-year A.A.S. degree in Orthotic-Prosthetic Technician program.	
<b>First Quarter</b>	<b>Credits</b>	<b>First Quarter</b>	<b>Credits</b>
OR-PR 111 Prosthetic Tools and Materials	4	OR-PR 141 Orthopedic Equipment and Materials	4
OR-PR 112 Related Human Anatomy	3	OR-PR 142 Spinal Anatomy Related to Orthotics	3
OR-PR 114 Below Knee Prosthetics	10	OR-PR 144 Spinal Orthotics	10
General Education Requirement	<u>1-5</u>	General Education Requirement	<u>1-5</u>
	18-22		18-22
<b>Second Quarter</b>		<b>Second Quarter</b>	
OR-PR 122 Related Anatomy of the Above Knee Amputation	3	OR-PR 152 Foot and Ankle Skeletal Structures	3
OR-PR 124 Advanced Below Knee Prosthetics	4	OR-PR 154 Orthotic Shoe Fabrications	4
OR-PR 126 Above-the-Knee Prosthetics	10	OR-PR 156 Ankle-Foot Orthosis	10
General Education Requirement	<u>1-5</u>	General Education Requirement	<u>1-5</u>
	18-22		18-22
<b>Third Quarter</b>		<b>Third Quarter</b>	
OR-PR 132 Related Anatomy (Upper Extremity)	2	OR-PR 162 Related Anatomy for the Above Knee Orthotics	1
OR-PR 134 Below Elbow Prosthetics	8	OR-PR 164 Above the Knee Orthotics	8
OR-PR 136 Above Elbow Prosthetics	7	OR-PR 172 Upper Extremity Anatomy Related to Orthotics	1
General Education Requirement	<u>1-5</u>	OR-PR 174 Upper Extremity Orthotics	7
	18-22	General Education Requirement	<u>1-5</u>
			18-22
<b>Fourth Quarter</b>		<b>Fourth Quarter</b>	
OR-PR 138 Clinical Prosthetics	<u>6</u>	OR-PR 178 Clinical Orthotics	<u>6</u>
	6		6

132 credits are required for an A.A.S. degree and 66 credits are required for a certificate.

General Education Course Requirements:			Credits
BT	107	Business Communications	3
GBUS	103	Basic Business Math and Electronic Calculators	5
HLTH	174	First Aid	3
HS	136	Improving Interpersonal Communication	5
MATH	35	The Metric System	1
SPCH	121	Job Communication Skills	2

**Disclaimer:** The college cannot guarantee courses will be offered in the quarters indicated. During the period this guide is in circulation, there may be curriculum revisions and program changes. **Students are responsible for consulting the appropriate academic unit or adviser for more current and specific information.** The information in this guide is subject to change and does not constitute an agreement between the college and the student.