



(Preparing for) Prosthetics and Orthotics

Associate in Arts—Direct Transfer Agreement (AA—DTA)
Planning Guide 2015–2016

Program Information

Length of Program: 90 Credits
Completion Award: A.A. Degree

Program Faculty Advisors:

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Program Description

The 90 credit Associate in Arts transfer degree is designed to meet the general education requirements at Washington State four-year institutions and includes the prerequisite courses to prepare students for entrance into a Bachelor’s degree program. Most Prosthetics and Orthotics programs, including the one in Washington State, require a Bachelor’s degree before entering the Master’s degree program. Graduates of the program must complete a one year residency to be eligible for certification and licensure to practice in Washington State.

Prosthetics and Orthotics—What is it?

Prosthetics and Orthotics is a specialized, allied health care field that helps patients regain mobility after loss of a limb, bodily part or bodily function. Prosthetics is the design, manufacturing and fitting of artificial devices to replace lost limbs, hands or feet; and, Orthotics is the design and fitting of orthopedic braces or supports to correct musculoskeletal problems. Prosthetic and Orthotic specialists examine patients, take measurements, create designs, build models and devices, fit devices, monitor patients and make adjustments as needed. They often work closely with physicians and other health care professionals to decide the type of appliance and prescription needed.

Areas of Study in Prosthetics and Orthotics: Medical Science, Upper Extremity Prosthetics, Lower Extremity Prosthetics, Spinal Orthotics, Prosthetic and Orthotic Procedures, Biomechanics, Musculoskeletal Anatomy, Neuroscience, Kinesiology, Exercise Physiology for Rehabilitation, Research Methods, Leadership, Management and Professional/Medical Ethics.

Career Opportunities—What can I do with a Bachelor’s Degree in Prosthetics and Orthotics?

Graduates in Prosthetics and Orthotics develop highly technical, critical thinking, problem solving and communication skills to design, fabricate and fit patients needing artificial limbs or braces. In addition, Prosthetic and Orthotic Therapists teach classes, conduct research, manage businesses and provide consultation to patients and other health care professionals.

Potential employers include: Private Practice, Rehabilitation Centers, Medical Clinics, Medical Laboratories, Medical Supply Stores, Medical Equipment Manufacturing Companies, Colleges and Universities, Non-Profit Organizations and Government Agencies such as the Veteran’s Administration. For more, please visit career information and resources at www.shoreline.edu/advising/counseling-services/career-counseling.aspx

Transfer Possibilities—Where can I transfer?

The AA—DTA makes it possible for students to transfer to a number of public and private colleges and universities in the U.S. with junior standing. Students can transfer to any college or university to complete a Bachelor’s degree before applying to a Prosthetics and Orthotics graduate degree program. The University of Washington is the only university in Washington State offering a Master’s degree in Prosthetics and Orthotics.

Public Institutions

University of Washington (Master’s degree program)

Spokane Falls Community College offers an Associate in Applied Science in Orthotics – Prosthetics Technician.
www.spokanefalls.edu/oandp

SCC Planning Guide | Student Information and Planning Sheet

STUDENT INFORMATION

Name: _____

Student I.D. No.: - - _____

Program/Major: _____

Specialty (if applicable): _____

- Complete an A.A. or A.S. degree
- Prepare for transfer only—No degree
- High school completion program
- Transferred from another college
- Completed transfer credit evaluation

TRANSFER SCHOOLS OF INTEREST

APPLICATION DEADLINES

1. _____
2. _____
3. _____
4. _____

Qtr:		Year:	
COURSE	CR		
Total Credits			

Qtr:		Year:	
COURSE	CR		
Total Credits			

Qtr:		Year:	
COURSE	CR		
Total Credits			

Qtr:		Year:	
COURSE	CR		
Total Credits			

Notes and recommendations:

Qtr:		Year:	
COURSE	CR		
Total Credits			

Qtr:		Year:	
COURSE	CR		
Total Credits			

Qtr:		Year:	
COURSE	CR		
Total Credits			

Qtr:		Year:	
COURSE	CR		
Total Credits			

Notes and recommendations:

Qtr:		Year:	
COURSE	CR		
Total Credits			

Qtr:		Year:	
COURSE	CR		
Total Credits			

Qtr:		Year:	
COURSE	CR		
Total Credits			

Qtr:		Year:	
COURSE	CR		
Total Credits			

Notes and recommendations:

Prosthetics and Orthotics Planning Guide—2015–2016 | Associate in Arts—Direct Transfer Agreement (AA—DTA)

The AA—DTA, known as the direct transfer degree, is an agreement between Washington State community colleges and baccalaureate institutions. The AA—DTA transfers as a package to most baccalaureate colleges and universities in Washington, satisfying most, if not all, of the lower division general education requirements and granting junior standing; it does not guarantee admission. The AA—DTA requires 90 quarter credits in college-level courses numbered 100 or above with a cumulative GPA of 2.0 or higher. Each individual course must have a minimum grade of 1.0. In addition, this transfer guide identifies specific courses to take within the degree to help students prepare for entrance into baccalaureate majors in Prosthetics and Orthotics.

See the reverse side for a complete listing of courses that fulfill the general education and distribution requirements.

GENERAL EDUCATION CORE REQUIREMENTS 20 Credits			
<i>Courses used in Gen Ed Core may not be used for distribution.</i>			
Course	QTR	GR	CR
ENGL& 101			5
ENGL& 102			5
Multicultural Understanding <i>Recommend: CMST 203</i> (counts as Humanities after transfer)			5
Quantitative/Symbolic Reasoning MATH& 146			5

DISTRIBUTION REQUIREMENTS			
<i>Courses list on other side.</i>			
Humanities 15 Credits			
<i>Select from at least two different disciplines. Maximum of 5 credits allowed in Performance/Skills. No more than 5 credits in a world language at the 100 level.</i>			
Course	QTR	GR	CR
1.			
2.			
3.			
<i>Recommended: CMST& 101, 220; World language may be required for university admission.</i>			
Math–Science 15 Credits			
<i>Select from at least two different disciplines. Must include at least one lab science. 10 credits required in physical, earth and/or biological sciences.</i>			
Course	QTR	GR	CR
1. CHEM& 121			5
2. PHYS& 114 <i>Fall</i>			5
3. PHYS& 115 <i>Win</i>			5
<i>Recommended:</i>			
Social Sciences 15 Credits			
<i>Select from at least two different disciplines.</i>			
Course	QTR	GR	CR
1. PSYC& 100			5
2. PSYC& 200 or 236			5
3.			

ELECTIVES at least 25 Credits			
<i>A maximum of 15 credits allowed for restricted/vocational courses, and a maximum of 3 credits allowed in Physical Education.</i>			
Course	QTR	GR	CR
1. BIOL& 211			5
2. PHYS& 231 + 232			5
3. or PHYS& 241 + 242			5
4.			
<i>Recommended: World Language if needed for UW admission requirement.</i>			

SELECT WASHINGTON STATE COLLEGE/UNIVERSITY MAJOR PREPARATION AND RECOMMENDATIONS
<p>University of Washington <u>M.P.O. - Master's in Prosthetics and Orthotics</u></p> <p>The Department of Rehabilitation under the School of Medicine at the UW offers a Master's degree in Prosthetics and Orthotics. Completion of a Bachelor's degree is required for admission.</p> <p>Application is open to residents of any state, and also international students by December 15.</p> <p>Course requirements: CHEM& 121, BIOL& 211, 231 + 232 or 241 + 242. PHYS& 114, 115, PSYC& 100 and PSYC& 200 or PSYC 236, MATH& 146. A minimum 3.0 GPA and 2.5 grade in each prerequisite course are required for admission. Related volunteer work is very important.</p> <p>Submit application to the UW Graduate School and an online OPCAS application. Twelve students are admitted each year. The cumulative GPA range for admitted students is 3.0-4.0. GRE is required.</p> <p>All graduates must complete a 12 month residency program to be eligible for certification and licensure.</p> <p>For further information visit the website at http://rehab.washington.edu/education/degree/po/</p> <p>Spokane Falls Community College <u>AAS Orthotics-Prosthetics Technician</u> Contact: clay.wright@sfcc.spokane.edu</p> <p>An AA-DTA is not required for admission.</p>

Shoreline Community College Planning Guide | Course List

The following is a list of classes that satisfy Shoreline's 2015-2016 AA-DTA degree requirements. Credits for a specific course may be used only once and may not be applied toward more than one distribution area. Course numbers with an "&" are common course numbers that are consistent across all Washington state community colleges. *To graduate from SCC, complete the Application for Degree and turn it in to the cashier (2nd floor FOSS-5000 Bldg.) along with the \$20.00 application fee no later than the quarter before you plan to graduate.*

I. GENERAL EDUCATION CORE REQUIREMENTS | 20 CR

ENGLISH—10 CR

English & 101
English & 102

MULTICULTURAL UNDERSTANDING—5 CR

Art 105
Communication Studies 203, 285
Gender and Women's Studies 284
History 245
Multicultural Studies 105

QUANTITATIVE | SYMBOLIC REASONING—5 CR

Math & 107*, 111, & 141, & 142, & 146*, & 148, & 151, & 152, & 163, & 171*, 207, 208, 211, & 264
Philosophy & 120*

*Students planning to transfer to the University of Washington must consult Math Advising, mathadvising@shoreline.edu

II. DISTRIBUTION AREA REQUIREMENTS | 45 CR

HUMANITIES—15 CR

Select from at least two different disciplines. No more than 5 credits allowed in Performance Skills/Applied Theory. No more than 5 credits in a world language at the 100 level.

General Humanities

American Ethnic Studies 106
American Sign Language & 121, & 122, & 123, & 221, & 222, & 223
Art & 100, 105, 234
Art History 105, 204, 210, 224, 225, 226
Chinese & 121, & 122, & 123
Cinema 201
Communication Studies & 101, & 102, 203, & 210, & 220, 285
Drama & 101
English & 111, & 112, & 113, 154, 200, 207, & 220, & 226-228, 229, 236, & 244, & 245, & 246, 247, 248, 257, 265, 271, 272, 281, 282, 287, 288, 289
French & 121, & 122, & 123
Humanities 111, 112, 113, 140, 275

Japanese & 121, & 122, & 123, & 221, & 222, & 223

Music 100, & 105, 106, 108, 109, & 141, & 142, & 143, 150, 200, 206, 224, & 241, & 242, & 243

Philosophy & 101, 102, & 115, 210, 230, 240, 248, 267

Spanish & 121, & 122, & 123, & 221, & 222, & 223

Performance Skills /Applied Theory — 5 CR Max.

Art 109, 110, 121-123, 131-133, 144-146, 250-256, 260, 265, 271-273

Communication Studies 140, & 230, 244, 247, 249

Drama 144-146, 167-169, 207-209, 222, 255

Music 114, 115, 118-120, 135, 136, 140, 144, 146, 147, 150-156, 161-167, 170, 175, 180, 184, 196, 204, 205, 207, 210, 211, 212, 225, 226, 251-253, 264, 268, 270, 280, 284, 296

NATURAL SCIENCES—15 CR

Select from at least two different disciplines. 10 credits required in Physical, Earth and/or Biological Sciences with at least one laboratory science.

Physical, Earth, Biological Sciences—10 CR

Laboratory Sciences—5 CR Min.

Astronomy & 101

Biology 107, 124, 126, 144, & 211, & 212, & 213, & 231, & 232, 244, 249, & 260

Chemistry & 110, & 121, & 131, 171/181, 172/182, 173/183, & 241/271, & 242/272, & 243/273

Environmental Science & 101, 202

Geography 203, 204

Geology & 101, & 110, & 115, & 208

Oceanography & 101

Physics 110, & 114, & 115, & 116, & 221, & 222, & 223

Non-Laboratory Sciences

Anthropology & 205

Biology 110, 150, & 170, 270

Chemistry & 139, 255

Environmental Science & 100

Geology 107

Psychology 202

Other Science Courses

5 CR Max.

Math & 107, 111, & 141, & 142, & 146, & 148, & 151, & 152, & 163, & 171, 207, 208, 211, & 264

Nutrition & 101

Philosophy & 120

SOCIAL SCIENCES—15 CR

Select from at least two different disciplines.

American Ethnic Studies 119, 215, 229

Anthropology & 100, & 204, & 206, & 207, 215

Business & 101

Child Advocacy Studies 102, 202, 285

Communication Studies & 102

East Asia 218

Economics 100, & 201, & 202

Gender and Women's Studies 205, 215, 284, 285, 286, 288

Geography & 100, & 200, 250, 277

History & 116, & 117, & 118, & 136, & 137, & 146, & 147, & 148, 207, & 214, & 215, 218, & 219, 234, 235, 236, 237, 238, 245, 246, 247, 256, 275

International Studies 101, 200, 201, 205
Multicultural Studies 105, 205, 210, 238, 250

Philosophy & 101, 102, 115, 210, 230, 240, 248, 265, 267

Political Science & 101, & 202, & 203, 221, 276

Psychology & 100, & 200, 206, 207, 208, 209, 210, & 220, 225, 236, 245

Sociology & 101, 102, 112, & 201, 202, 250, 288

III. GENERAL ELECTIVES | 25 CR

A minimum of 25 additional college-level credits numbered 100 or above is required for electives. Developmental courses and courses numbered below 100 may not be used. Electives may include any course listed in the distribution areas or in the Elective Courses section of the 2015-16 catalog. A maximum of 15 credits from the Restricted Electives course list of the catalog may be included and a maximum of 3 credits in Physical Education.

Notice: Planning guides are intended to guide students toward completing degree requirements. They are not intended to communicate admissions requirements of 4-year institutions. Students are strongly urged to consult with an advisor, college/university admissions staff, and the catalog of the 4-year institution to which they plan to transfer. Other conditions and restrictions may also apply.