

REQUIRED COURSES

Graduate Certificate in Orthotics

SPMD 580	Introduction to Orthotics and Prosthetics (2)	adjunct
SPMD 581	Musculoskeletal Pathologies for Orthotics and Prosthetics (3)	adjunct
SPMD 582	Kinesiology - Biomechanical Basis of Orthotic and Prosthetic Management (3)	Briggs
SPMD 605	Clinical Gait Analysis – Measurement and Interpretation (3)	Briggs/GA
CADM 694	Plastics Materials and Processes (2)	Lokensgaard
SPMD 610	Spinal and Upper Extremity Orthotics (3)	adjunct
SPMD 620	Clinical Affiliation (250 contact hours) (2)	adjunct
SPMD 630	Research Methods: Orthotics and Prosthetics (3)	Briggs/adjunct
SPMD 640	Lower Extremity Orthotics I (3)	adjunct
SPMD 650	Lower Extremity Orthotics II (3)	adjunct
SPMD 660	Advanced Techniques in Orthotics and Prosthetics (2)	adjunct
SPMD 665	Administration of Orthotics and Prosthetics Facilities in the Public and Private Sectors (2)	adjunct

Total credits: 31

Graduate Certificate in Prosthetics

SPMD 580	Introduction to Orthotics and Prosthetics (2)	adjunct
SPMD 581	Musculoskeletal Pathologies for Orthotics and Prosthetics (3)	adjunct
SPMD 582	Kinesiology - Biomechanical Basis of Orthotic and Prosthetic Management (3)	Briggs
SPMD 605	Clinical Gait Analysis – Measurement and Interpretation (3)	Briggs/GA
CADM 694	Plastics Materials and Processes (2)	Lokensgaard
SPMD 615	Lower Extremity Prosthetics I (3)	adjunct
SPMD 620	Clinical Affiliation (250 contact hours) (2)	adjunct
SPMD 630	Research Methods: Orthotics and Prosthetics (3)	Briggs/adjunct
SPMD 645	Lower Extremity Prosthetics II (3)	adjunct
SPMD 655	Upper Extremity Prosthetics (3)	adjunct
SPMD 660	Advanced Techniques in Orthotics and Prosthetics (2)	adjunct
SPMD 665	Administration of Orthotics and Prosthetics Facilities in the Public and Private Sectors (2)	adjunct

Total credits: 31

NOTES:

- Students will be accepted into the program in the Fall (September) and Winter (January) semesters.
- SPMD 580 and SPMD 581 may be taken by seniors who have accumulated 85 undergraduate credit hours with a cumulative GPA of 2.75 or higher.
- To obtain the Certificate in either discipline, students must obtain a B/3.0 average.

CERTIFICATE CORE CLASSES

- SPMD 580 Introduction to Orthotics and Prosthetics (2)
- SPMD 581 Musculoskeletal Pathologies for Orthotics and Prosthetics (3)
- SPMD 582 Kinesiology – Biomechanical Basis of Orthotic and Prosthetic Management (3)
- SPMD 605 Clinical Gait Analysis – Measurement and Interpretation (3)
- SPMD 620 Clinical Affiliation (250 contact hours) – (2)
- SPMD 630 Research Methods: Orthotics and Prosthetics (3)
- SPMD 660 Advanced Techniques in Orthotics and Prosthetics (2)
- SPMD 665 Administration of Orthotics and Prosthetics Facilities in the Public and Private Sectors (2)
- CADM 694 Special Topics: Plastics Materials and Processes (2)



PROSTHETICS COURSES

- SPMD 615 Lower Extremity Prosthetics I (3)
- SPMD 645 Lower Extremity Prosthetics II (3)
- SPMD 655 Upper Extremity Prosthetics (3)

ORTHOTICS COURSES

- SPMD 610 Spinal and Upper Extremity Orthotics (3)
- SPMD 640 Lower Extremity Orthotics I (3)
- SPMD 650 Lower Extremity Orthotics II (3)

COURSE SEQUENCE and CLASS SCHEDULE

**All courses run for 15 weeks unless stated*

Graduate Certificate in Orthotics				Graduate Certificate in Prosthetics			
Semester	Course#	Instructors	Location & Time	Semester	Course #	Instructors	Location & Time
Fall 2003	SPMD 580 (2)	adjunct	UMOPC (1 eve: 3hr/wk)	Fall 2003	SPMD 580 (2)	adjunct	UMOPC (1 eve: 3hr/wk)
	SPMD 581 (3)	adjunct	UMOPC (1 eve: 3hr/wk)		SPMD 581 (3)	adjunct	UMOPC (1 eve: 3hr/wk)
	SPMD 582 (3)	Briggs	EMU:COE (Sat: 9-noon)		SPMD 582 (3)	Briggs	EMU:COE (Sat: 9-noon)
Wtr 2004	CADM 694(2)	Lokensgaard	COT (1 eve:2 hr/wk)	Wtr 2004	CADM694 (2)	Lokensgaard	COT(1 eve: 2hr/wk)
	SPMD 605 (3)	Briggs/GA	EMU:COE (Tue: 6-9pm)		SPMD 605 (3)	Briggs/GA	EMU:COE (Tue: 6-9pm)
	SPMD 630 (3)	Briggs/adjunct	EMU:COE (Sat: 9-noon)		SPMD 630 (3)	Briggs/adjunct	EMU:COE (Sat: 9-noon)
Spg 2004	SPMD 610 (3)	Adjunct	UMOPC (1 eve: 3hr/wk)	Spg 2004	SPMD 615 (3)	adjunct/TA	UMOPC (1 eve: 3hr/wk)
	SPMD 620 (2)	adjunct	TBD (7.5 weeks. 250 contact hours)		SPMD 620 (2)	adjunct	TBD (7.5 weeks. 250 contact hours)
Fall 2004	SPMD 640 (3)	adjunct	UMOPC (1 eve: 3hr/wk)	Fall 2004	SPMD 645 (3)	adjunct/TA	UMOPC (1 eve: 3hr/wk)
	SPMD 650 (3)	adjunct	UMOPC (1 eve: 3hr/wk)		SPMD 655(3)	adjunct/TA	UMOPC (1 eve: 3hr/wk)
	SPMD 620 (cont)	adjunct (250 hrs. must be completed before taking SPMD 665)			SPMD 620 (cont)	adjunct (250hrs. must be completed before taking SPMD 665)	
Wtr 2005	SPMD 660 (2)	adjunct	UMOPC (1 eve:1hr.40min/wk)	Wtr 2005	SPMD 660 (2)	adjunct	UMOPC (1 eve:1hr.40min/wk)
	SPMD 665 (2)	adjunct	UMOPC (1 eve:1hr.40min/wk)		SPMD 665 (2)	adjunct	UMOPC (1 eve:1hr.40min/wk)

NOTE: Students will register for SPMD 620 (2 credit hours) Winter 2004, and will receive credit for the course once 250 contact hours have been completed.

ADMISSION REQUIREMENTS

- Students must possess a bachelor's degree from an accredited university with a minimum cumulative G.P.A. of 2.75
- To be accepted into the program students must meet the requirements of Eastern Michigan University's Graduate School.

Prerequisite coursework - minimum standards

Following courses all with a letter grade of *B- or better*:

- Gross Human Anatomy – theory and cadaver lab (2 semesters)
- Physiology course
- Mathematics – minimum of one College Algebra, and one College Trigonometry course
- Chemistry – minimum of one inorganic course
- Computer Science – minimum of one introductory course
- Physics – minimum of one introductory course, which must include mechanics.
- Psychology – minimum of one introductory course.
- Kinesiology or Biomechanics – minimum of one course
- Accounting course – ACCT 240 or equivalent.