

SDSU MSAT Program of Study

SDSU MSAT MAP: Course Sequencing “Road Map”	Sequencing	7 Semesters	Program Credit Hours (CH): 63	WTUs for Faculty
Course and Classification	Prerequisites	Credit Hours	Semester (CH)	WTUs
Summer Session I			Two Semesters CH: 12	
<i>Summer Session I Learning Objectives: Clinical Preparation & Anatomy- 1st 6 weeks; Full Clinical Immersion 2nd 6 weeks</i>				
ENS 625- Emergency Management of Sports Trauma (SLO 1, 2, 3, 4 Introduced)	MSAT admission	2		2.0
ENS 626- Clinical Anatomy (SLO 1, 2, 3, 4 Introduced)	MSAT admission	2		2.0
ENS 627L- Prophylactic Interventions in Athletic Training (SLO 1, 3 Introduced)	MSAT admission	1		1.5
ENS 628- Introduction to Therapeutic Modalities (SLO 1-4 Introduced)	MSAT admission	2		2.0
Offered during 2nd 6-week summer session: ENS 689A- Athletic Training Clinical Internship I – Pre-Season (SLO 1, 2, 3, 4 Introduced)	ENS 625, 626, 627L, 604	5: Full Immersion		2.0
Fall Semester I			Semester CH: 13	
<i>Fall Semester I Learning Objectives: 1. Lower extremity pathology, assessment & intervention 2. Holistic pathology & intervention 3. Clinical Application</i>				
ENS 653/653L- Musculoskeletal Diagnostics for the Lower Extremity (SLO 1, 2, 3, 4 Introduced)	ENS 626; Concurrent with ENS 663/663L	3 TOTAL 2 Lecture; 1 lab		2.0 lecture 3.0 labs (2 lab sections)
ENS 663/663L- Musculoskeletal Interventions for the Lower Extremity (SLO 1, 2, 3, 4 Introduced)	Concurrent with ENS 653/653L	4 TOTAL 3 Lecture; 1 lab		3.0 lecture 3.0 labs (2 lab sections)
ENS 620- Pathopharmacology for Athletic Trainers (SLO 1, 2, 3 Developed)	MSAT admission	3		3.0
ENS 699A- Athletic Training Clinical Clerkship I (SLO 1, 2, 3, 4 Developed)	ENS 689A	2		2.0
ENS 604- Evidence Based Practice in Athletic Training I (SLO 1, 2, 3, 4, 5 Introduced)	MSAT admission	1		1.0

Course and Classification		Credit Hours	Semester (CH)	WTUs
Spring Semester I			Semester CH: 13	
<i>Spring Semester I Learning Objectives:</i>				
<ol style="list-style-type: none"> 1. Upper extremity pathology, assessment & intervention 2. Bio-Psychosocial intervention 3. Clinical Application & Evidence Based Practice 				
ENS 654/654L- Musculoskeletal Diagnostics for the Upper Extremity (SLO 1, 2, 3, 4 Developed)	ENS 653/653L; Concurrent with ENS 664/664L	3 TOTAL 2 Lecture; 1 lab		2.0 lecture 3.0 labs (2 lab sections)
ENS 664/664L- Musculoskeletal Interventions for the Upper Extremity (SLO 1, 2, 3, 4 Developed)	ENS 663/663L; Concurrent with ENS 654/654L	4 TOTAL 3 Lecture; 1 lab		3.0 lecture 3.0 labs (2 lab sections)
ENS 638- Bio-Psychosocial Theories and Strategies in Athletic Training (SLO 1, 2, 3, 4 Developed)	MSAT admission	2		2.0
ENS 699B- Athletic Training Clinical Clerkship II (SLO 1, 2, 3, 4, 5 Developed)	ENS 699A	2		2.0
ENS 605- Evidenced Based Practice in Athletic Training II (SLO 1, 3, 4 Developed)	ENS 604	2		2.0
Summer Session II			Semester CH: 5	
<i>Summer Session II Learning Objectives:</i>				
<i>Full Clinical Immersion 2nd 6 weeks of summer</i>				
ENS 689B- Athletic Training Clinical Internship II (SLO 1, 2, 3, 4 Developed)	ENS 689A	5: Full Immersion		2.0
Fall Semester II			Semester CH: 14	
<i>Fall Semester II Learning Objectives:</i>				
<ol style="list-style-type: none"> 1. Head & Spine pathology, assessment & intervention 2. Nutritional intervention 3. Clinical Application & Evidence Based Practice 				
ENS 655/655L- Musculoskeletal Diagnostics for the for the Head and Spine (SLO 1, 2, 3, 4 Mastered)	ENS 654/654L; Concurrent with ENS 665/665L	3 TOTAL 2 Lecture; 1 lab		2.0 lecture 3.0 labs (2 lab sections)

ENS 665/665L- Musculoskeletal Interventions for the Head and Spine (SLO 1, 2, 3, 4 Mastered)	ENS 664/664L; Concurrent with ENS 655/655L	4 TOTAL 3 Lecture; 1 lab		3.0 lecture 3.0 labs (2 lab sections)
Course and Classification		Credit Hours	Semester (CH)	WTUs
Fall Semester II				
NUTR 512- Nutrition for Athletes (SLO 1, 2, 3, 4 Developed)	NUTR 201	3		3.0 (Kern)
ENS 699C- Athletic Training Clinical Clerkship III (SLO 1, 2, 3, 4 Developed)	ENS 699B	2		2.0
ENS 606- Evidenced Based Practice in Athletic Training III (SLO 1, 3, 4 Developed)	ENS 605	2		2.0
Spring Semester II				
<i>Spring Semester II Learning Objectives:</i> 1. Professional Preparation 2. Clinical Application & Evidence Based Practice			Semester CH: 6	
ENS 648- Professional Ethics, Management, Informatics, and Leadership in AT (SLO 2, 3, 5 Mastered)	MSAT admission	2		2.0
ENS 649- Professional Preparation in Athletic Training (SLO 1, 4 Mastered)	MSAT admission	1		1.0
ENS 699D- Athletic Training Clinical Clerkship IV (SLO 1, 2, 3, 4, 5 Mastered)	ENS 699C	2		2.0
ENS 607- Evidenced Based Practice in Athletic Training IV (SLO 1, 3, 4 Mastered)	ENS 606	1		1.0

Notes:

- Clerkship courses: Based on the medical model and are designed for structured clinical education that allows for practical hands-on experience in the athletic training setting with guided Preceptor mentoring and evaluation. Specific progressive learning objectives for each course will be identified, instructed, practiced, and assessed.
 - Clerkship courses also include a 1x week asynchronous or synchronous class meeting.
- Internship courses: Designed for full immersion (40+ hours/week) under the direct supervision of a preceptor as a “Service Learning” experience.
- Musculoskeletal Diagnostics: Includes clinical evaluation and functional assessments of each body part including some general medical conditions.
- Musculoskeletal Interventions: Includes therapeutic modalities (management), pharmacology, and therapeutic exercise for each body part including some general medical conditions.
- Non-thesis route: (Plan B) with EBP course series and a culminating Colloquial EBP Project.