Department of Kinesiology
Advanced-degree program requirements

Pre-Health Professions students are strongly encouraged to look over the Crean Pre-Health Advising page: [http://www.chapman.edu/crean/advising/pre-health-program/index.aspx](http://www.chapman.edu/crean/advising/pre-health-program/index.aspx) and discuss your professional goals with your advisor.

On the pages that follow are listed some common advanced-degree program’s requirements pursued by kinesiology majors. Be sure to select electives for your B.S. Kinesiology degree to fulfill the desired programs requirements. The courses listed prepare the student for content required in the entrance exam to each program and assure you are a strong candidate for the program. Not all programs will require the number of pre-requisite courses listed – course preparation requirements are specific to each institution. We recommend you look at specific school of interest for their individual requirements. Each program of study’s requirements is listed followed by appropriate courses within programs at Chapman University.

Students planning on going to **Physical Therapy** school should take:

- 2 semesters of Biology
  - General Biology I & II: BIOL 204/204L & BIOL 205/205L
- 2 semesters of Chemistry
  - General Chemistry I & II: CHEM 140/L & CHEM 150/L
- 2 semesters of Physics (MATH 110/L & MATH 111/L – pre-recs)
  - General Physics for Life Sciences I w/lab: PHYS 107/L
  - General Physics for Life Sciences II w/lab: PHYS 108/L
- 1 semester of Statistics for Allied Health Sciences: KINE 270 / MATH 203 / PSY 203
- 1 semester of Introduction to Psychology: PSY 101
- At least 2 upper division Psychology courses
  - Abnormal Psychology PSY: 328
  - Health Psychology: PSY 436
  - Sports Psychology: PSY 345
  - Motivation and Emotion: PSY 319
Students planning on going to **Medical School** should take:

- 2 semesters of Biology
  - General Biology I & II: BIOL 204/204L & BIOL 205/205L
- 1 or more upper division Biology courses:
  - General Genetics: BIOL 330
  - Immunology: BIOL 337
- 4 semesters of Chemistry
  - General Chemistry I & II: CHEM 140/140L & 150/150L
  - Organic Chemistry I & II: CHEM 230/230L & CHEM 331/330L
- 1 semester of Biochemistry I: BCHM 335/L, KINE 329
- 2 semesters of Physics (MATH 110/L & MATH 111/L – pre-recs)
  - General Physics for Life Sciences I w/lab: PHYS 107/L
  - General Physics for Life Sciences II w/lab: PHYS 108/L
- 1 semester of Statistics for Allied Health Sciences: KINE 270 / MATH 203 / PSY 203
- 1 semester of Introduction to Psychology: PSY 101
- 1 semester of Introduction to Sociology: SOC 101

Students planning on **Pharmacy** are should take:

- 2 semesters of Biology
  - General Biology I & II: BIOL 204/204L & BIOL 205/205L
- 1 semester of Microbiology w/lab: BIOL 417/L
- 4 semesters of Chemistry
  - General Chemistry I & II: CHEM 140/L & CHEM 150/L
  - Organic Chemistry I & II: CHEM 230/230L & CHEM 331/330L
- 1 semester of Biochemistry I: BCHM 335/L, KINE 329
- 2 semesters of Physics (MATH 110/L & MATH 111/L – pre-recs)
  - General Physics for Life Sciences I w/lab: PHYS 107/L
  - General Physics for Life Sciences II w/lab: PHYS 108/L
- 1 semester of Statistics for Allied Health Sciences: KINE 270 / MATH 203 / PSY 203
- 1 semester of Introduction to Psychology: PSY 101
- 1 semester of Principles of Microeconomics: ECON 200
Students pursuing **Physician Assistant** careers are encouraged to take:

- 1 semesters of Human Anatomy w/ lab: HESC 210/L
- 1 semesters of Human Physiology w/ lab: BIOL 211/L
- 2 semesters of Biology
  - General Biology I & II: BIOL 204/204L & BIOL 205/205L
- 1 semester of Microbiology w/lab: BIOL 417/L
- 4 semesters of Chemistry
  - General Chemistry I & II: CHEM 140/L & CHEM 150/L
  - Organic Chemistry I & II: CHEM 230/230L & CHEM 331/330L
- 1 semester of Statistics for Allied Health Sciences: KINE 270
- 1 semester of Biochemistry I: BCHM 335/L, KINE 329
- 1 semester of Statistics for Allied Health Sciences: KINE 270
- 1 semester of Introduction to Psychology: PSY 101
- 3 semesters of Spanish
  - Elementary Spanish I: SPAN 101
  - Elementary Spanish II: SPAN 102
  - Intermediate Spanish for Health Professionals: SPAN 201H
- 2 semesters of English
  - Introduction to Literary Studies: ENG 200
  - Research-Based Writing: ENG 205

Students planning on **Occupational Therapy** are should take:

- 1 semester of General Biology w/lab: BIOL 204/L
- 1 semesters of Human Physiology w/ lab: BIOL 211/L
- 1 semesters of Human Anatomy w/ lab: HESC 210/L
- 1 semester of General Physics I w/lab: PHYS 107/L (MATH 110/L– pre-rec)
- 1 semester of Statistics for Allied Health Sciences: KINE 270
- 1 semester of Introduction to Psychology: PSY 101
- 1 semester of Abnormal Psychology: PSY 328
- 1 semester of Life Span Development: PSY 328
- 1 semester of Medical Terminology for Health Professionals: HESC 105 (Interterm only)
**Occupational Therapy (continued)**

- 6 semesters of written and oral communication
  - Public Speaking: COM 101
  - Persuasive Speaking: COM 401
  - Seminar in Rhetoric & Writing: ENG 103
  - Research-Based Writing: ENG 205
  - Business Writing: ENG 305
  - Business and Professional Communication: COM 310

- 2 semesters of Sociology or Anthropology
  - Introduction to Sociology: SOC 101
  - Cultural Anthropology: ANTH 102

- 1 semester of Fundamentals of Kinesiology: KINE 250

Students planning on apply to Chapman's **MS-AT (3 + 2)** are required to take:

- 1 semester of General Biology I w/ lab: BIOL 204/L
- 1 semester of General Chemistry I w/ lab: CHEM 140/L
- 1 semester of General Physics for Life Sciences I w/ lab: PHYS 107/L (MATH 110/L pre-requisite)
- 1 semesters of Human Physiology w/ lab: BIOL 211/L
- 1 semesters of Human Nutrition: FSN 200
- 1 semesters of Human Anatomy w/ lab: HESC 210/L
- 1 semesters of Applied Exercise Physiology w/ lab: HESC 350/L
- 1 semester of Health Education: KINE 160
- 1 semester of Introduction to Athletic Training and Sports Medicine: KINE 192
- 1 semester of Applied Biomechanics w/ lab: KINE 301/302
- 1 semester of Introduction to Psychology: PSY 101
# Kinesiology Program
## Graduate Degree Pre-requisites

<table>
<thead>
<tr>
<th>Graduate Program</th>
<th>Pre-requisite Courses</th>
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</table>
| **Biomechanics** | • 2 semesters Biology: BIOL 204/L, BIOL 205/L  
• 2 semesters Chemistry: CHEM 140/L, CHEM 150L  
• 2 semesters Math: MATH 110/L, MATH 111/L  
• 2 semesters Physics: PHYS 107/L, PHYS 108/L  
• Human Anatomy w/ lab: HESC 210/L  
• Human Physiology w/ lab: HESC 365, HESC 366/L  
• Applied Exercise Physiology w/ lab: HESC 350/L  
• Applied Biomechanics w/ lab: KINE 301/302  
• Motor Control and Learning: KINE 435 |
| **Exercise Physiology** | • 2 semesters Biology: BIOL 204/L, BIOL 205/L  
• 4 semesters Chemistry: Gen Chem - CHEM 140/L, CHEM 150/L, O Chem - CHEM 230/L, CHEM 331/L  
• Human Anatomy w/ lab: HESC 210/L  
• Human Physiology w/ lab: HESC 365, HESC 366/L  
• Biochemistry: BCHM 335/L  
• Motor Control and Learning: KINE 435  
• Applied Exercise Physiology: HESC 350  
• Marketing: MKTG 304 |
| **Exercise Science** | • 2 semesters Biology: BIOL 204/L, BIOL 205/L  
• 2 semesters Chemistry: CHEM 140/L, CHEM 150L  
• Human Anatomy w/ lab: HESC 210/L  
• Human Physiology w/ lab: HESC 365, HESC 366/L  
• Applied Exercise Physiology w/ lab: HESC 350/L  
• Applied Biomechanics w/ lab: KINE 301/302 |
| **Kinesiology** | • 2 semesters Biology: BIOL 204/L, BIOL 205/L  
• 2 semesters Chemistry: CHEM 140/L, CHEM 150L  
• 2 semesters Math: MATH 110/L, MATH 111/L  
• 2 semesters Physics: PHYS 107/L, PHYS 108/L  
• Human Anatomy w/ lab: HESC 210/L  
• Human Physiology w/ lab: HESC 365, HESC 366/L  
• Applied Biomechanics with lab: KINE 301/302  
• Motor Control and Learning: KINE 435  
• Applied Exercise Physiology: HESC 350 |
| Nutrition                          | • Statistics for Allied Health Sciences: KINE 270 / MATH 203 / PSY 203  
|                                  | • General Biology: BIOL 204/L  
|                                  | • 4 semesters Chemistry: Gen Chem - CHEM 140/L, CHEM 150/L, O Chem - CHEM 230/L, CHEM 331/L  
|                                  | • Biochemistry: KINE 329, BCHM 335/L  
|                                  | • Human Physiology w/ lab: HESC 365, HESC 366/L  
|                                  | • Human Nutrition: FSN 200  
|                                  | • Lifecycle and Clinical Nutrition: FSN 339  
|                                  | • Medical Nutrition Therapy: FSN 443  
| Nursing                          | • 2 semesters Biology: BIOL 204/L, BIOL 205/L  
|                                  | • 2 semesters Chemistry: CHEM 140/L, CHEM 150L  
|                                  | • Microbiology BIOL 417  
|                                  | • Life Span Development: PSY 327  
|                                  | • Biostatistics: Statistics for Allied Health Sciences: KINE 270 / MATH 203 / PSY 203  
|                                  | • Human Anatomy w/ lab: HESC 210/L  
|                                  | • Human Physiology w/ lab: HESC 365, HESC 366/L  
|                                  | • Human Nutrition: FSN 200  
| Physiology                       | • 2 semesters Biology: BIOL 204/L, BIOL 205/L  
|                                  | • 2 semesters Math: MATH 110/L, MATH 111/L  
|                                  | • 2 semesters Physics: PHYS 107/L, PHYS 108/L  
|                                  | • Human Anatomy w/ lab: HESC 210/L  
|                                  | • Human Physiology w/ lab: HESC 365, HESC 366/L  
|                                  | • Biochemistry: KINE 329, BCHM 335/L  
| Public Health                    | • 2 semesters Biology: BIOL 204/L, BIOL 205/L  
|                                  | • 2 semesters Chemistry: CHEM 140/L, CHEM 150L  
|                                  | • Human Nutrition: FSN 200  
|                                  | • Human Physiology w/ lab: HESC 365, HESC 366/L  
|                                  | • Biochemistry: KINE 329, BCHM 335/L  
|                                  | • Introduction to Psychology: PSY 101 (recommended)  
|                                  | • Health Psychology: PSY 436 (recommended)  
|                                  | • Principles of Microeconomics: ECON 200 (recommended)  

Kinesiology Advanced Allied Health Degree – Pre-requisites.doc Jan 2015
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<td>• 2 semesters Biology: BIOL 204/L, BIOL 205/L</td>
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<td>• Single Variable Calculus I w/lab: MATH 110/L</td>
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<td>• Medical Nutrition Therapy: FSN 443</td>
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<td>• Introduction to Psychology: PSY 101</td>
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