<table>
<thead>
<tr>
<th>Program</th>
<th>Knowledge Base</th>
<th>Learning Objectives</th>
</tr>
</thead>
</table>
| Biokinesiology PhD | Fully proficient knowledge of:  
• Biological basis of healthy and disordered human movement  
• Physiological mechanisms underlying voluntary movement  
• Musculoskeletal and biomechanical principles related to human movement  
• Neurobehavioral basis of movement across the spectrum from highly skilled to severely disabled populations.  
Working knowledge of:  
• Experimental methods used for the analysis of human movement  
• Biostatistics  
• Ethical considerations in research  
• Technical computing skills such as coding using standard programs (e.g. Matlab, R) |  
• Identify contemporary research questions in Biokinesiology.  
• Integrate knowledge of the various domains of Biokinesiology and contemporary research methodologies to conduct high-impact laboratory-based research projects.  
• Successfully prepare and defend laboratory research project at the PhD level using oral and written communication skills.  
• Obtain leadership roles in education and research in academic or industry settings. |
| Biokinesiology MS | Fully proficient knowledge of:  
• Biological basis of healthy and disordered human movement  
• Physiological mechanisms underlying voluntary movement  
• Musculoskeletal and biomechanical principles related to human movement  
• Neurobehavioral basis of movement  
Working knowledge of:  
• Selected research methodologies  
• Basic Biostatistics  
• Ethical considerations in research |  
• Familiarity with contemporary research methodologies  
• Critically analyze scientific literature  
• Demonstrate working knowledge of at least one of the domains of Biokinesiology, including contemporary research methods, through successful completion of a Summative Research Project.  
• Obtain employment in a related field or continue graduate studies (e.g., PhD). |
### Student Learning Outcomes: Doctor of Physical Therapy Program

<table>
<thead>
<tr>
<th>Program Outcomes:</th>
<th>Student Learning Outcomes and Objectives:</th>
<th>Sequence of Assessment Measures:</th>
</tr>
</thead>
</table>
| Practice as licensed practitioners of physical therapy | a. Students pass the National Physical Therapy Examination after graduation  
b. Students are fully employed within 6 months of graduation | **Pass rate:** National Physical Therapy Examination  
**Employment Rate:** Assessed 6-12 months after graduation |
| Demonstrate the ability to practice in a direct access environment | a. Students will demonstrate independence in clinical skills required for direct access in 3rd year academic courses  
b. Students will demonstrate independence in clinical skills required for direct access in terminal 3rd year clinical experience | a. Passing grade in 3rd year academic courses requires competence in direct access skills  
i. PT 632 Integrated Patient Management Seminar  
ii. PT 630 Integrated Patient Management Clinical Skills  
iii. PT 642a/b Hybrid Integrated Patient Management Seminar  
iv. PT 640a/b Hybrid Integrated Patient Management Clinical Skills  
b. All students will demonstrate independence in these skills as measured by the Clinical Performance Instrument and by interviews with 3rd year clinical instructors  
i. PT 660 16-week Terminal Clinical Education Experience  
ii. PT 665 16-week Terminal Full-Time Clinical Education Experience  
iii. PT 670a/b Hybrid Advanced Clinical Experience with Academic Integration (13 weeks) |
| Demonstrate core professional behaviors and a commitment to lifelong learning | a. Students will demonstrate professional behaviors during their time on campus when taking academic courses. | a. Professionalism is monitored and developed in all courses with particular focus in clinical management courses:  
i. PT 521L Basics of Patient Management  
ii. PT 621L Clinical Management of Patients with Musculoskeletal Dysfunction  
iii. PT 571L Clinical Management of Patients with Cardiopulmonary Dysfunction  
iv. PT 581L Clinical Management of Patients with Neurologic Dysfunction |
| Demonstrate excellence in enhancing the movement ability and participation of individuals of various race, cultures, and socioeconomic status across the lifespan | a. Students will demonstrate competence in managing patients across the lifespan, while being culturally sensitive. | a. Successful completion of coursework with particular emphasis in:
   i. PT 561d Evidence for Physical Therapist Practice
   ii. PT 529 Lifespan Motor control |
| b. Graduates will demonstrate competence in managing patients across the lifespan, while being culturally sensitive. | b. All students will demonstrate clinical skill and cultural competence as measured by the Clinical Performance Instrument and interviews with Clinical Instructors
   i. PT 600b 6-week Clinical Education Experience
   ii. PT 600d 8-week Clinical Education Experience
   iii. PT 660 16-week Terminal Clinical Education Experience
   iv. PT 665 16-week Terminal Full-Time Clinical Education Experience
   v. PT 670a/b Hybrid Advanced Clinical Experience with Academic Integration (13 weeks) |
<p>| c. Reports from employers should be consistent with graduates demonstrating clinical skill and cultural competence. Reports from employers are collected through intermittent focus groups. | c. Reports from employers should be consistent with graduates demonstrating clinical skill and cultural competence. Reports from employers are collected through intermittent focus groups. |</p>
<table>
<thead>
<tr>
<th>Student Learning Outcomes: Doctor of Physical Therapy Program</th>
<th>Sequence of Assessment Measures:</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Program Outcomes:</strong></td>
<td><strong>Student Learning Outcomes and Objectives:</strong></td>
</tr>
<tr>
<td>Practice as clinicians who incorporate principles of evidence-based and patient-centered practice</td>
<td>a. Students will demonstrate that they understand principles of evidence-based and patient-centered practice in their sequence of four evidence-based academic courses</td>
</tr>
<tr>
<td></td>
<td>b. Students will demonstrate that they incorporate principles of evidence-based and patient-centered practice during their clinical experiences.</td>
</tr>
<tr>
<td></td>
<td>c. Graduates will demonstrate incorporation of principles of evidence-based and patient-centered practice in their first year after graduation.</td>
</tr>
<tr>
<td>a. Passing grade in academic EBP courses demonstrates understanding of principles of evidence-based and patient-centered practice</td>
<td>b. All students will demonstrate incorporation of principles of evidence-based and patient-centered practice as measured by CPI and interviews with Cis</td>
</tr>
<tr>
<td>i. PT 561a Evidence for Physical Therapist Practice</td>
<td>i. PT 560b 6-week Clinical Education Experience</td>
</tr>
<tr>
<td>ii. PT 561b Evidence for Physical Therapist Practice</td>
<td>ii. PT 560d 8-week Clinical Education Experience</td>
</tr>
<tr>
<td>iii. PT 561c Evidence for Physical Therapist Practice</td>
<td>iii. PT 560 16-week Terminal Clinical Education Experience</td>
</tr>
<tr>
<td>iv. PT 561d Evidence for Physical Therapist Practice</td>
<td>iv. PT 665 16-week Terminal Full-Time Clinical Education Experience</td>
</tr>
<tr>
<td>v. PT 561e Evidence for Physical Therapist Practice</td>
<td>v. PT 670a/b Hybrid Advanced Clinical Experience with Academic Integration (13 weeks)</td>
</tr>
<tr>
<td>b. All students will demonstrate incorporation of principles of evidence-based and patient-centered practice as measured by CPI and interviews with Cis</td>
<td>vi. Graduate behavior with respect to evidence-based practice is assessed via survey 6-12 months after graduation and by intermittent focus group interviews with employers.</td>
</tr>
</tbody>
</table>