Physical Therapy Assistant

INDIVIDUAL PROGRAM INFORMATION 2015–2016

866.Macomb1 (866.622.6621)
www.macomb.edu
Program Description:

ADMISSION REQUIREMENTS: View Selective Admission for detailed information.

The Physical Therapist Assistant (PTA) curriculum is designed to prepare students to assume positions as skilled technical health workers. A balanced curriculum in general education and specialized courses enables students to develop technical competency necessary to enter this rewarding health career. Correlation of the clinical experience is an integral part of the academic program.

Physical Therapist Assistants work within a physical therapy service under the supervision of professional physical therapists. PTAs assists the physical therapist in performing selected procedures related to the physical management of illness, injury, and wellness throughout the lifespan.

Requirements & Specific Information:

Additional expenses to be met by the student before entering the first clinical placement are: (1) a health history and physical examination including testing for tuberculosis, and (2) hospitalization insurance as neither the hospital nor the College insures the student against accidents or illnesses.

Students must achieve grade “C” or better, or grade “Pass” (if the course is a Pass/Fail course) for all the Core and Arts and Sciences courses in this program.

Accreditation:

The Associate of Applied Science degree in Physical Therapist Assistant program is accredited by the Commission on Accreditation in Physical Therapy Education located at 1111 North Fairfax Street, Alexandria, VA 22314-1488. The phone number is: 800.999.2782.

Career Opportunities:

Physical Therapist Assistant–Associate of Applied Science: Job titles such as Physical Therapist Assistant are attainable upon completion of this course of study. To learn more from a career specialist, visit the Office of Career Services at either campus or explore online at www.onetonline.org.

Transfer Pathways:

Students intending to transfer and complete a bachelor’s degree need to make early decisions concerning an academic major and a transfer destination. Statistics show that students who make these decisions early are more likely to persist to graduation than their undecided counterparts. Students planning to transfer credits earned at Macomb are strongly urged to see a counselor or academic advisor as early as possible in their college careers.

Transfer Resource Guide
ASSOCIATE OF APPLIED SCIENCE IN PHYSICAL THERAPIST ASSISTANT

Career preparation and related courses *(require successful completion of a minimum of 65.5 credit hours)*

<table>
<thead>
<tr>
<th>COURSE</th>
<th>COURSE TITLE</th>
<th>PREREQUISITE</th>
<th>COREQUISITE</th>
<th>CREDIT HOURS</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>REQUIRED PROGRAM ORIENTATION</strong></td>
<td></td>
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<tr>
<td>Group II Course: BIOL-2710</td>
<td>Human Physiological Anatomy</td>
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<td>6.0</td>
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<tr>
<td>HHSC-1020</td>
<td>Physical Therapy Careers</td>
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<td>1.0</td>
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<tr>
<td><strong>SEMESTER 1</strong></td>
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<tr>
<td>Group I Course:</td>
<td>Communications 1 –OR– Composition 1</td>
<td>Placement, or ENGL-0050 or EAPP-1500 with grade C- or better</td>
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<td>3.0-4.0</td>
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<tr>
<td>Group III Course:</td>
<td>Introductory Psychology</td>
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<td>4.0</td>
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<tr>
<td>PTAS-1020</td>
<td>Physical Therapy Procedures 1–Lecture</td>
<td>Admission into the Physical Therapist Assistant program and BIOL-2710 with grade C or better</td>
<td>HHSC-1020, PTAS-1031</td>
<td>2.0</td>
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<tr>
<td>PTAS-1031</td>
<td>Physical Therapy Procedures 1–Laboratory</td>
<td>Admission into the Physical Therapist Assistant program and BIOL-2710 with grade C or better</td>
<td>HHSC-1020, PTAS-1070</td>
<td>2.0</td>
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<tr>
<td>PTAS-1070</td>
<td>Joint Structure &amp; Function–Lecture</td>
<td>Admission into the Physical Therapist Assistant program and grade C or better in BIOL-2710</td>
<td>HHSC-1020, PTAS-1081</td>
<td>2.0</td>
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<tr>
<td>PTAS-1081</td>
<td>Joint Structure &amp; Function–Laboratory</td>
<td>Admission into the Physical Therapist Assistant program and BIOL-2710 with grade C or better</td>
<td>HHSC-1020, PTAS-1091</td>
<td>1.5</td>
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<tr>
<td>PTAS-1091</td>
<td>Clinical Medicine for the Physical Therapist Assistant</td>
<td>Admission into the Physical Therapist Assistant program and BIOL-2710 with grade C or better</td>
<td>HHSC-1020, PTAS-1020</td>
<td>2.0</td>
</tr>
<tr>
<td><strong>SEMESTER 2</strong></td>
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<tr>
<td>Group IV Course</td>
<td>Any ARAB, ARTT, CHIN, ENGL-2### (CREATIVE WRITING OR LITERATURE ONLY), FREN, GRMN, HUMN, ITAL, INTL-2000, INTL-2300, MUSC, PHIL, &amp; SPAN</td>
<td></td>
<td></td>
<td>3.0-4.0</td>
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<tr>
<td>PTAS-1140</td>
<td>Life Span Development for PTA</td>
<td>Admission into the Physical Therapist Assistant program, and HHSC-1020, PTAS-1020, PTAS-1031, PTAS-1070, PTAS-1081, and PTAS-1091 with grade C or better</td>
<td>PTAS-1150</td>
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<tr>
<td>PTAS-1150</td>
<td>Kinesiology–Lecture</td>
<td>Admission into the Physical Therapist Assistant program, and HHSC-1020, PTAS-1020, PTAS-1031, PTAS-1070, PTAS-1081, and PTAS-1091 with grade C or better</td>
<td>PTAS-1160</td>
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<tr>
<td>PTAS-1160</td>
<td>Kinesiology–Laboratory</td>
<td>Admission into the Physical Therapist Assistant program, and HHSC-1020, PTAS-1020, PTAS-1031, PTAS-1070, PTAS-1081, and PTAS-1091 with grade C or better</td>
<td>PTAS-1170</td>
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<tr>
<td>PTAS-1170</td>
<td>Physical Therapy Procedures 2–Lecture</td>
<td>Admission into the Physical Therapist Assistant program, and HHSC-1020, PTAS-1020, PTAS-1031, PTAS-1070, PTAS-1081, and PTAS-1091 with grade C or better</td>
<td>PTAS-1180</td>
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<tr>
<td>PTAS-1180</td>
<td>Physical Therapy Procedures 2–Laboratory</td>
<td>Admission into the Physical Therapist Assistant program, and HHSC-1020, PTAS-1020, PTAS-1031, PTAS-1070, PTAS-1081, PTAS-1091 with grade C or better</td>
<td>PTAS-1140</td>
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</table>
## CORE COURSES: COMMON DEGREE CORE REQUIREMENTS FOR ASSOCIATE OF APPLIED SCIENCE IN PHYSICAL THERAPIST ASSISTANT

<table>
<thead>
<tr>
<th>SEMESTER 3</th>
<th>COURSE</th>
<th>COURSE TITLE</th>
<th>PREREQUISITE</th>
<th>COREQUISITE</th>
<th>CREDIT HOURS</th>
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<tbody>
<tr>
<td>Group V Course(^1)</td>
<td>Any PHED Wellness course—2000 or above</td>
<td>Admission into the Physical Therapist Assistant program, and PTAS-1140, PTAS-1150, PTAS-1160, PTAS-1170, and PTAS-1180</td>
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<td>2.0-3.0</td>
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<tr>
<td>PTAS-2110</td>
<td>Neuromuscular Physical Therapy–Lecture</td>
<td>Admission into the Physical Therapist Assistant program, and PTAS-1140, PTAS-1150, PTAS-1160, PTAS-1170, and PTAS-1180</td>
<td>PTAS-2120</td>
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<tr>
<td>PTAS-2120</td>
<td>Neuromuscular Physical Therapy–Laboratory</td>
<td>Admission into the Physical Therapist Assistant program, and PTAS-1140, PTAS-1150, PTAS-1160, PTAS-1170, and PTAS-1180</td>
<td>PTAS-2130</td>
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<tr>
<td>PTAS-2130</td>
<td>Musculoskeletal Physical Therapy–Lecture</td>
<td>Admission into the Physical Therapist Assistant program, and PTAS-1140, PTAS-1150, PTAS-1160, PTAS-1170, and PTAS-1180</td>
<td>PTAS-2140</td>
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<tr>
<td>PTAS-2140</td>
<td>Musculoskeletal Physical Therapy–Laboratory</td>
<td>Admission into the Physical Therapist Assistant program, and PTAS-1140, PTAS-1150, PTAS-1160, PTAS-1170, and PTAS-1180</td>
<td>PTAS-2190</td>
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<tr>
<td>PTAS-2190</td>
<td>Physical Therapy Procedures 3–Lecture</td>
<td>Admission into the Physical Therapist Assistant program, and PTAS-1140, PTAS-1150, PTAS-1160, PTAS-1170, and PTAS-1180</td>
<td>PTAS-2200</td>
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<tr>
<td>PTAS-2200</td>
<td>Physical Therapy Procedures 3–Laboratory</td>
<td>Admission into the Physical Therapist Assistant program, and PTAS-1140, PTAS-1150, PTAS-1160, PTAS-1170, and PTAS-1180</td>
<td>PTAS-2340</td>
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<tr>
<td>PTAS-2340</td>
<td>Clinical Internship 1</td>
<td>Admission into the Physical Therapist Assistant program, and PTAS-1140, PTAS-1150, PTAS-1160, PTAS-1170, and PTAS-1180</td>
<td>PTAS-2350</td>
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<tr>
<td>PTAS-2350</td>
<td>Clinical Internship 2</td>
<td>Admission into the Physical Therapist Assistant program, and PTAS-2110, PTAS-2120, PTAS-2130, PTAS-2140, PTAS-2190, PTAS-2200, and PTAS-2350</td>
<td>PTAS-2110</td>
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<th>SEMESTER 4</th>
<th>COURSE</th>
<th>COURSE TITLE</th>
<th>PREREQUISITE</th>
<th>COREQUISITE</th>
<th>CREDIT HOURS</th>
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<tr>
<td>PTAS-2440</td>
<td>Rehabilitation Techniques–Lecture</td>
<td>Admission into the Physical Therapist Assistant program, and PTAS-2110, PTAS-2120, PTAS-2130, PTAS-2140, PTAS-2190, PTAS-2200, and PTAS-2350</td>
<td>PTAS-2450</td>
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<tr>
<td>PTAS-2450</td>
<td>Rehabilitation Techniques–Laboratory</td>
<td>Admission into the Physical Therapist Assistant program, and PTAS-2110, PTAS-2120, PTAS-2130, PTAS-2140, PTAS-2190, PTAS-2200, and PTAS-2350</td>
<td>PTAS-2460</td>
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<tr>
<td>PTAS-2460</td>
<td>Pediatrics</td>
<td>Admission into the Physical Therapist Assistant program, and PTAS-2110, PTAS-2120, PTAS-2130, PTAS-2140, PTAS-2190, PTAS-2200, and PTAS-2350</td>
<td>PTAS-2470</td>
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<tr>
<td>PTAS-2470</td>
<td>Cardiopulmonary Rehabilitation</td>
<td>Admission into the Physical Therapist Assistant program, and PTAS-2110, PTAS-2120, PTAS-2130, PTAS-2140, PTAS-2190, PTAS-2200, and PTAS-2350</td>
<td>PTAS-2500</td>
<td>2.0</td>
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<tr>
<td>PTAS-2500</td>
<td>Seminar for Physical Therapist Assistants</td>
<td>Admission into the Physical Therapist Assistant program, and PTAS-2110, PTAS-2120, PTAS-2130, PTAS-2140, PTAS-2190, PTAS-2200, with grade C or better; and PTAS-2350 with grade Pass</td>
<td>PTAS-2440</td>
<td>2.0</td>
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<tr>
<td>PTAS-2390</td>
<td>Clinical Internship 3</td>
<td>Admission into the Physical Therapist Assistant program, and PTAS-2440, PTAS-2450, PTAS-2460, PTAS-2470, and PTAS-2500</td>
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<td>4.0</td>
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</table>
NOTES:

1. It is recommended that the course be taken prior to admission to the physical therapist assistant program; however, it must be completed prior to completion of the program as it is a degree requirement.

- Students must apply through the selective admission process and be accepted into the physical therapist assistant program before taking any PTAS course.

- A minimum of 18 credit hours of Arts & Sciences courses (Groups I–V) are needed as well as a minimum of 65 total credit hours for the associate degree.

- Forty (40) hours of volunteer service in a Physical Therapy Department is required prior to any PTAS course.

- It is strongly encouraged that you work with a counselor, advisor or faculty/department coordinator to plan your schedule.
**Associate of Applied Science (AAS) Degree**

The Associate of Applied Science Degree is intended to provide the preparation necessary for potential employment in an occupational specialty.

**Requirements**

- Minimum cumulative grade point average of 2.0
- Minimum 15 semester hours of credit earned at Macomb
- Minimum 62 semester hours of credit courses numbered 1000 or above, which include:
  - A minimum 18 semester hours of credit in Arts and Sciences courses numbered 1000 or above, as described in the Group Concentrations table; and
  - A minimum of an additional 44 semester hours, including required career preparation and related courses as well as any electives required in the program.

**Arts and Sciences Courses Required for the Associate of Applied Science (AAS) Degree**

A minimum of one course from each of the five Arts and Sciences groups must be selected. Electives and Arts and Sciences requirements must be satisfied by courses numbered 1000 or higher. Associate of Applied Science (AAS) degree requirements are met by taking the required career courses and the Arts and Sciences courses.

See Academic Placement Procedures for information on course placement in chemistry, English, English for Academic Purposes, mathematics, and reading.

Courses numbered below 1000 will not count toward the Associate of Applied Science degree.

Contact a counselor or academic advisor if you need help in choosing the appropriate course.

<table>
<thead>
<tr>
<th>GROUP</th>
<th>COURSES</th>
<th>MINIMUM DEGREE REQUIREMENTS 18 SEMESTER HOURS</th>
</tr>
</thead>
<tbody>
<tr>
<td>I.A</td>
<td>ENGL-1180 or ENGL-1210</td>
<td>1 Course</td>
</tr>
<tr>
<td>I.B</td>
<td>Other English Composition, Reading, or Speech</td>
<td>See Note below</td>
</tr>
<tr>
<td>II.</td>
<td>Astronomy, Biology, Chemistry, Environmental Science, Geology, Mathematics, Natural Science, Physical Science, Physics</td>
<td>1 Course</td>
</tr>
<tr>
<td>III.</td>
<td>Anthropology, Economics, Geography, History, INTL-2010, INTL-2500, INTL-2700, Political Science, Psychology, Sociology, Social Science</td>
<td>1 Course</td>
</tr>
<tr>
<td>IV.</td>
<td>Art, Creative Writing, Foreign Language, Humanities, INTL-2000, INTL-2300, Literature, Music, Philosophy, Theater Arts</td>
<td>1 Course</td>
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<tr>
<td>V.</td>
<td>Any PHED Wellness course – 2000 or above</td>
<td>1 Course</td>
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</table>

*Note: If students take one course from each of Groups I.A, II, III, IV, and V, and still have taken less than the minimum of 18 semester hours of Arts and Sciences courses required for the AAS degree, they may elect additional hours from Groups I.B, II, III, IV, or V to satisfy minimum degree requirements.*
**Course Descriptions**

**BIOL-2710—Human Physiological Anatomy—6.00 credit hours**
- Prerequisite: None
- (formerly BIO 271) Students will NOT receive credit for both BIOL-2710 and BIOL-2310. This course is designed for students in Health and Human Services programs. It is an intensive lecture/laboratory course emphasizing the basic concepts and principles of human anatomy and physiology. BIOL-1000 is strongly recommended as a prerequisite to BIOL-2710 for those planning to transfer to a four-year health science program. (7 contact hrs)

**HHSC-1020—Physical Therapy Careers—1.00 credit hours**
- Prerequisite: None
- (formerly ALH 102) HHSC-1020 introduces students to the practice of physical therapy in various settings. Topics include an overview of the health care systems, the history of physical therapy, the roles and functions of physical therapy providers, and the language of the physical therapy profession. (2 contact hrs per week for 8 wks) Center Campus.

**PSYC-1010—Introductory Psychology—4.00 credit hours**
- Prerequisite: None
- (formerly PSY 101) Nature, scope, and methods of psychology as behavioral science, emphasizing development, biological foundation of behavior, sensation, and perception, learning, emotion, motivation, and personality. (4 contact hrs)

**PTAS-1020—Physical Therapy Procedures 1—Lecture—2.00 credit hours**
- Prerequisite: Admission into the Physical Therapist Assistant program and BIOL-2710 with grade C or better.
- Corequisite: HHSC-1020, PTAS-1031
- (formerly PTA 102) PTAS-1020 introduces the fundamentals of patient care as applied to physical therapy. The course teaches the principles of patient management and the formation of a strong foundation for clinical decision-making skills based on physiological principles and introduces the use of selected modalities, gait training, transfers, and body mechanics. (2 contact hrs) Center Campus. Fall Semester only.

**PTAS-1031—Physical Therapy Procedures 1—Laboratory—2.00 credit hours**
- Prerequisite: Admission into the Physical Therapist Assistant program and BIOL-2710 with grade C or better
- Corequisite: HHSC-1020, PTAS-1081
- (formerly PTAS-1030) PTAS-1031 provides the PTA student with practical experiences in the fundamentals of patient care and selected interventions. It focuses on the development of psychomotor and decision-making skills associated with the application of physical therapy skills and techniques. (4 contact hrs) Center Campus. Fall semester only.

**PTAS-1070—Joint Structure & Function—Lecture—2.00 credit hours**
- Prerequisite: Admission into the Physical Therapist Assistant program and grade C or better in BIOL-2710
- Corequisite: HHSC-1020, PTAS-1081
- (formerly PTA 107) PTAS-1070 provides the academic framework for the understanding of functional anatomy as related to PTA techniques and skills. Subjects include a study of the major muscle groups, innervations, skeletal anatomy, joint structure, and the relationship of these structures to exercise and functional activity. In addition, the course presents measurement techniques of goniometry and anthropometrics. (2 contact hrs) Center Campus. Fall semester only.

**PTAS-1081—Joint Structure & Function—Laboratory—1.50 credit hours**
- Prerequisite: Admission into the Physical Therapist Assistant program and BIOL-2710 with grade C or better
- Corequisite: HHSC-1020, PTAS-1091
- (formerly PTAS-1080) PTAS-1081 uses practical laboratory experiences to correlate musculoskeletal and functional anatomy to physical therapy skills. Measurement techniques are included. (2.5 contact hrs) Center Campus. Fall semester only.
PTAS-1091—Clinical Medicine for the Physical Therapist Assistant—2.00 credit hours
- Prerequisite: Admission into the Physical Therapist Assistant program and BIOL-2710 with grade C or better.
- Corequisite: HHSC-1020, PTAS-1020 (formerly PTAS-1090) PTAS-1091 introduces selected concepts of clinical medicine relevant to the provision of physical therapy by the physical therapist assistant. Topics include a discussion of etiology and medical/surgical management of pathologies commonly treated in various physical therapy settings and an overview of common diagnostic tools. (2 contact hrs) Center Campus. Fall semester only.

PTAS-1140—Life Span Development for PTA—2.00 credit hours
- Prerequisite: Admission into the Physical Therapist Assistant program, and HHSC-1020, PTAS-1020, PTAS-1031, PTAS-1070, PTAS-1081, and PTAS-1091 with grade C or better
- Corequisite: PTAS-1150 (formerly PTA 114) PTAS-1140 provides basic knowledge of normal human development of movement and function from birth to death. Included are the physical, social, emotional and cognitive changes that occur with normal maturation throughout the life span. The course also presents an orientation to techniques of positive interaction skills for the physical therapist assistant student and provides observational experiences in selected settings. (2 contact hrs) Winter semester only.

PTAS-1150—Kinesiology—Lecture—3.00 credit hours
- Prerequisite: Admission into the Physical Therapist Assistant program, and HHSC-1020, PTAS-1020, PTAS-1031, PTAS-1070, PTAS-1081, and PTAS-1091 with grade C or better
- Corequisite: PTAS-1160 (formerly PTA 115) This course provides the study of functional human musculoskeletal movement and its interrelationship to the neuromuscular system as a foundation to the basic understanding of normal and abnormal movements. It includes analysis of basic principles and biomechanics in functional activity. (3 contact hrs) Center Campus. Winter semester only.

PTAS-1160—Kinesiology—Laboratory—1.50 credit hours
- Prerequisite: Admission into the Physical Therapist Assistant program, and HHSC-1020, PTAS-1020, PTAS-1031, PTAS-1070, PTAS-1081, and PTAS-1091 with grade C or better
- Corequisite: PTAS-1170 (formerly PTA 116) This course covers correlated laboratory practice in kinesiology, basic biomechanics and gait for the development of related physical therapist assistant techniques and skills. It includes functional movement analysis and the development of function specific activity. (3 contact hrs) Center Campus. Winter semester only.

PTAS-1170—Physical Therapy Procedures 2—Lecture—2.00 credit hours
- Prerequisite: Admission into the Physical Therapist Assistant program, and HHSC-1020, PTAS-1020, PTAS-1031, PTAS-1070, PTAS-1081, and PTAS-1091 with grade C or better
- Corequisite: PTAS-1180 (formerly PTA 117) This course presents the kinesthetic and mechanical principles of therapeutic exercise and the use of mechanical traction. It emphasizes advancing patient management skills, including communication and documentation using various practical conditions as models. (2 contact hrs) Center Campus. Winter semester only.

PTAS-1180—Physical Therapy Procedures 2—Laboratory—2.00 credit hours
- Prerequisite: Admission into the Physical Therapist Assistant program, and HHSC-1020, PTAS-1020, PTAS-1031, PTAS-1070, PTAS-1081, PTAS-1091 with grade C or better
- Corequisite: PTAS-1140 (formerly PTA 118) This course provides correlated practical experiences that help students acquire manual skills related to basic exercise, functional activities, and the use of appropriate equipment in a therapeutic exercise program. It includes the practical application of mechanical, cervical, and lumbar traction. (4 contact hrs) Center Campus. Winter semester only.

PTAS-2110—Neuromuscular Physical Therapy—Lecture—2.00 credit hours
- Prerequisite: Admission into the Physical Therapist Assistant program, and PTAS-1140, PTAS-1150, PTAS-1160, PTAS-1170, and PTAS-1180
- Corequisite: PTAS-2120 (formerly PTA 211) This course is designed to provide a theoretical basis for the utilization of various neuromuscular approaches to therapeutic exercise. Discussion includes advanced management techniques for the neurologically impaired patient. (2 contact hrs) Fall semester only.
PTAS-2120—Neuromuscular Physical Therapy—Laboratory—1.50 credit hours
- Prerequisite: Admission into the Physical Therapist Assistant program, and PTAS-1140, PTAS-1150, PTAS-1160, PTAS-1170, and PTAS-1180
- Corequisite: PTAS-2130
  (formerly PTA 212) This course is designed to correlate the principles of neuromuscular approaches with clinical application of neuromuscular techniques. Emphasis will be placed on “hands on” practical experiences with more complex exercise techniques and procedures for neurological conditions. (3 contact hrs) Fall semester only.

PTAS-2130—Musculoskeletal Physical Therapy—Lecture—2.00 credit hours
- Prerequisite: Admission into the Physical Therapist Assistant program, and PTAS-1140, PTAS-1150, PTAS-1160, PTAS-1170, and PTAS-1180
- Corequisite: PTAS-2140
  (formerly PTA 213) This course is designed to provide the theoretical foundation for the advanced management of musculoskeletal conditions. Discussion includes injury prevention and specialized approaches to physical therapy treatment of the spine and extremities. (2 contact hrs) Fall semester only.

PTAS-2140—Musculoskeletal Physical Therapy—Laboratory—1.50 credit hours
- Prerequisite: Admission into the Physical Therapist Assistant program, and PTAS-1140, PTAS-1150, PTAS-1160, PTAS-1170, and PTAS-1180
- Corequisite: PTAS-2190
  (formerly PTA 214) Correlated laboratory practice designed to provide experience in the physical therapy management of musculoskeletal conditions. The focus will be on advanced therapeutic exercise and specialized techniques for musculoskeletal conditions. (3 contact hrs) Fall semester only.

PTAS-2190—Physical Therapy Procedures 3—Lecture—1.00 credit hours
- Prerequisite: Admission into the Physical Therapist Assistant program, and PTAS-1140, PTAS-1150, PTAS-1160, PTAS-1170, and PTAS-1180
- Corequisite: PTAS-2200
  (formerly PTA 219) This course provides the opportunity for the physical therapist assistant student to develop knowledge related to the principles of electricity and electrotherapy for selected treatment modalities. Discussion of EMG and biofeedback is included. (2 contact hrs per week for 8 wks) Center Campus. Fall semester only.

PTAS-2200—Physical Therapy Procedures 3—Laboratory—1.00 credit hours
- Prerequisite: Admission into the Physical Therapist Assistant program, and PTAS-1140, PTAS-1150, PTAS-1160, PTAS-1170, and PTAS-1180
- Corequisite: PTAS-2340
  (formerly PTA 220) This course will provide the physical therapist assistant student with the opportunity to apply the principles of electrotherapy to practical management in physical therapy. Procedures for advanced modality treatment for selected pathologies will be included. (3 contact hrs per week for 8 wks) Center Campus. Fall semester only.

PTAS-2340—Clinical Internship 1—2.00 credit hours
- Prerequisite: Admission into the Physical Therapist Assistant program, and PTAS-1140, PTAS-1150, PTAS-1160, PTAS-1170, and PTAS-1180
- Corequisite: PTAS-2350
  (formerly PTA 234) Supervised clinical experience designed to provide the beginning level student with an opportunity to gain experience in various basic therapeutic practical skills and techniques. This course is graded on a pass/fail basis. Students are required to pass this course to progress in the program. (24 contact hrs per week for the first 8 wks) Center Campus. Fall semester only.

PTAS-2350—Clinical Internship 2—2.00 credit hours
- Prerequisite: Admission into the Physical Therapist Assistant program and PTAS-2340
- Corequisite: PTAS-2110
  (formerly PTA 235) Supervised clinical experience designed to provide the beginning level student with an opportunity for continued practice of various basic therapeutic techniques and skills. This course is graded on a pass/fail basis. Students are required to pass this course to progress in the program. (24 contact hrs per week for the second 8 wks) Center Campus. Fall semester only.
PTAS-2390—Clinical Internship 3—4.00 credit hours
- Prerequisite: Admission into the Physical Therapist Assistant program, and PTAS-2440, PTAS-2450, PTAS-2460, PTAS-2470, and PTAS-2500 (formerly PTA 239) Supervised clinical experience designed to provide the advanced student with an opportunity for continued practice of basic therapeutic techniques and practice of various complex therapeutic techniques, exercises, and procedures for competent clinical application. This course is graded on a pass/fail basis. Students are required to pass this course to progress in the program. (40 contact hrs per week for the second 8 wks) Center Campus. Winter semester only.

PTAS-2440—Rehabilitation Techniques—Lecture—2.00 credit hours
- Prerequisite: Admission into the Physical Therapist Assistant program, and PTAS-2110, PTAS-2120, PTAS-2130, PTAS-2140, PTAS-2190, PTAS-2200, and PTAS-2350
- Corequisite: PTAS-2450 (formerly PTA 244) This course is designed to provide the theoretical foundation to the treatment of adult patients with physical disabilities. Advanced treatment techniques for the management of patients with amputations, gait abnormalities, spinal cord injuries, burns and cancer are included. (4 contact hrs per week for 8 wks) Center Campus. Winter semester only.

PTAS-2450—Rehabilitation Techniques—Laboratory—1.50 credit hours
- Prerequisite: Admission into the Physical Therapist Assistant program, and PTAS-2110, PTAS-2120, PTAS-2130, PTAS-2140, PTAS-2190, PTAS-2200, and PTAS-2350
- Corequisite: PTAS-2460 (formerly PTA 245) This course is designed to correlate the principles of rehabilitation procedures in the clinical setting with the lecture topics in PTAS-2440. Emphasis will be placed on practical experiences with site visits scheduled to augment didactic components of learning. (6 contact hrs per week for 8 wks) Center Campus. Winter semester only.

PTAS-2460—Pediatrics—2.00 credit hours
- Prerequisite: Admission into the Physical Therapist Assistant program, and PTAS-2110, PTAS-2120, PTAS-2130, PTAS-2140, PTAS-2190, PTAS-2200, and PTAS-2350
- Corequisite: PTAS-2470 (formerly PTA 246) This course is designed to provide the student with an opportunity to gain knowledge of clinical pediatric problems and management of the pediatric patient. Selected neuromuscular, orthopedic and systemic pediatric conditions are present. Application of neurophysiological and orthopedic approaches to therapeutic exercise are introduced. (4 contact hrs per week for 8 wks) Center Campus. Winter semester only.

PTAS-2470—Cardiopulmonary Rehabilitation—2.00 credit hours
- Prerequisite: Admission into the Physical Therapist Assistant program, and PTAS-2110, PTAS-2120, PTAS-2130, PTAS-2140, PTAS-2190, PTAS-2200, and PTAS-2350
- Corequisite: PTAS-2500 (formerly PTA 247) This course provides an overview of the physical therapy management of cardiopulmonary conditions. Also included is the role of physical therapy in fitness and wellness programming. (4 contact hrs per week for 8 wks) Center Campus. Winter semester only.

PTAS-2500—Seminar for Physical Therapist Assistants—2.00 credit hours
- Prerequisite: Admission into the Physical Therapist Assistant program; and PTAS-2110, PTAS-2120, PTAS-2130, PTAS-2140, PTAS-2190, PTAS-2200, with grade C or better; and PTAS-2350 with grade Pass
- Corequisite: PTAS-2440 (formerly PTA 250) (Effective Winter 2010: course description changed) This course examines special topics and contemporary issues in physical therapy for the advanced PTA student. Students are prepared for the transition to work through a number of student-led projects and presentations. (4 contact hrs per week for 8 wks) Center Campus. Winter semester only.