**Addendum to SHRS Undergraduate Handbook 2020-2021**

**Undergraduate Program in Rehabilitation Science**

**Table of Contents**

Contents

[Introduction 2](#_Toc25570083)

[Admission Requirements 3](#_Toc25570084)

[Curriculum 4](#_Toc25570085)

[General Requirements 4](#_Toc25570086)

[Core Requirements 4](#_Toc25570087)

[Additional Undergraduate Program in Rehabilitation Science Policies 5](#_Toc25570088)

[Online Course Policy 5](#_Toc25570089)

[Policy on Taking Courses at Another Institution 6](#_Toc25570090)

[Course Content Policy 6](#_Toc25570091)

[Physical Activity Class Credits 6](#_Toc25570092)

[Field Experience and Independent Study 6](#_Toc25570093)

[Faculty Mentor 7](#_Toc25570094)

[Registration and Add/drop Process 7](#_Toc25570095)

[Disability Resources and Services 8](#_Toc25570096)

[Rehabilitation Science Major GPA Calculation 8](#_Toc25570097)

[Miscellaneous Program Information 9](#_Toc25570098)

[Program Contact Information 10](#_Toc25570099)

[Problems or Concerns – 10](#_Toc25570100)

[Undergraduate Rehabilitation Science Certificates 11](#_Toc25570101)

[**Assistive Technology in Rehabilitation** 12](#_Toc25570102)

[**Pathokinesiology in Rehabilitation** 14](#_Toc25570103)

[**Psycho-Social Issues in Rehabilitation and Personal Care** 15](#_Toc25570104)

[SHRS STATEMENT OF UNDERSTANDING 16](#_Toc25570105)

# Introduction

Welcome to the Undergraduate Program in Rehabilitation Science.

This program is designed to prepare students for graduate education in occupational therapy, physical therapy, physician assistant studies, prosthetics and orthotics, rehabilitation counseling, assistive technology and other areas of health care.

The faculty members who teach in this program are a strong interdisciplinary group from almost all departments within SHRS, including the departments of Emergency Medicine, Occupational Therapy, Physical Therapy, Physician Assistant, Rehabilitation Science and Technology, and Sports Medicine and Nutrition. In addition, community leaders, practitioners and researchers with expertise in selected areas teach within the program.

Once matriculated into the program, students will complete their undergraduate education within the School of Health and Rehabilitation Sciences. They may then choose to complete one of the Rehabilitation Science undergraduate certificates or consult with the academic advisor to design a more individualized plan of study. All plans of study have built in flexibility to allow students to pursue their particular interests and goals.

# Admission Requirements

Prior to beginning the program, students in Rehabilitation Science program must have successfully completed of a minimum of 60 college credits, including the following prerequisite courses.

|  |  |
| --- | --- |
|  | CREDITS |
| General Biology and Lab | 4 |
| General Chemistry and Lab | 4 |
| Physics I | 3-4 |
| Mathematics (College Algebra or higher) | 2-3 |
| Statistics | 3-4 |
| General Psychology | 3 |
| Human Development | 3 |
| English Composition | 3 |
| Intensive Writing | 3 |
| Humanities/Social Sciences | 6 |

**Note:** Students planning to apply to the Doctor of Physical Therapy (DPT) program, medical school, physician’s assistant programs or other graduate programs requiring additional prerequisites are encouraged to have started to complete these additional prerequisite courses (e.g., Physics II, Biology II, Chemistry II) before enrolling in the Rehabilitation Science program. Refer to the respective graduate program information for details regarding prerequisite coursework.

**Other Admission Criteria:**

Minimum cumulative QPA of 2.75 (based on 4.0)

Minimum prerequisite science and math QPA of 2.5

A minimum grade of C- (C for external transfer) in all courses designated as prerequisites

Letter of recommendation from faculty or direct supervisor

Application to the program

# Curriculum

## General Requirements

Completion of the undergraduate program in Rehabilitation Science includes:

* Completion of all prerequisites for undergraduate program in Rehabilitation Science
* Successful completion of a minimum of 30 credits while enrolled in SHRS
* Successful completion of a minimum of 30 credits from SHRS departments or programs
  + Includes courses from the following departments: ATHLTR, CSD, EM, HIM, HRS, NUTR, REHSCI
  + *HRS 1018 Survey of Health and Rehabilitation Professions does not count toward the required 30 SHRS credits for graduation*
* Fulfillment of core requirements
* 120 credits total
* Valid certification of *UPMC Information Privacy and Security Awareness Training for Physicians, Mid-Level Providers, Dentists, Staff and Students Who are NOT Employed by UPMC but Who Encounter Protected Health Information in UPMC Facilities* and
* Annual *Bloodborne Pathogens Training* certification
* Plan of Study approved by academic advisor or program director

## Core Requirements

* REHSCI 1200 and 1201 – Human Anatomy and Lab
* REHSCI 1225 - Introduction to Rehabilitation Science
* REHSCI 1235 Medical Terminology\*
* REHSCI 1240 - Issues in Health Care
* REHSCI 1265 - Pharmacology in Rehabilitation\*
* REHSCI 1280 Psychology and Sociology of Disability
* Human Physiology\* - 4 credits (one of the following):
* REHSCI 1205 Human Physiology/HRS 1023 Human Physiology
* BIOSC/NROSCI 1250 Human Physiology and BIOSC 1255 Physiology Lab
* BIOSC/NROSCI 1070 Honors Human Physiology
* Neuroscience\* (one of the following):
* REHSCI 1210 Neuroscience
* NROSCI 1000 Introduction to Neuroscience
* NROSCI 1003 UHC Introduction to Neuroscience
* NROSCI 0080 Brain and Behavior
* NROSCI 0083 UHC Brain and Behavior
* PSY 0505 Introduction to Biopsychology
* Research\* (one of the following):
* REHSCI 1000 Principles of Research Methodology
* PSY 0035 Research Methods
* PSY 0036 Research Methods Lecture
* Health/Science Writing Intensive (choose one)
* ENGCMP 0450 Research Writing
* ENGCMP 0530 Writing for the Sciences
* ENGCMP 0535 Writing in the Health Science Professions
* ENGCMP 1102 Language of Medicine
* ENCMP 1400 Grant Writing
* Global Citizenship (one of the following):
* Designated Course, 3 cr.
* ANTH 1761 Patients and Healers: Medical Anthropology 1
* HIST 1090/SOC 1488 History of Medicine and Health Care
* NUR 1829 Contemporary Issues in Cross-Cultural Health Care
* PSY 0186 Cross-cultural Psychology
* PUBHLT 1001 Introduction to Global Health
* PUBHLT 1002 Special Topics in Global Health
* REHSCI 1292 Diversity and Cultural Issues in Health, Disability and Rehabilitation
* REHSCI 1297 Cross-Cultural Independent Study
* SOCWRK 1035 Global Perspectives in Social Work
* SPAN 1323 Medical Spanish
* Study abroad *(contact academic advisor for more information)*
* 4 weeks minimum
* Credited health or disability component
* Cultural exploration (incorporated into academic class) OR
* Independent study, 1 credit to be completed on return
* Cultural exploration and comparison (written)
* Weekly reflective journal
* Summary of experience

\*Requirement may be fulfilled by an approved course from a four-year college or university.

# Additional Undergraduate Program in Rehabilitation Science Policies

## Online Course Policy

Once a student has matriculated into the BSRS Program, up to 6 online credits will be accepted from either the University of Pittsburgh or another four-year institution\*. An exception may be made for an online medical terminology course noting that only one credit will be applied towards the BSRS degree.  Therefore, a total of 7 online credits may be possible with this scenario. No online courses will be accepted from a two-year institution, other than medical terminology.

*All University of Pittsburgh classes offered online due to COVID-19 will be accepted while the University is operating under Flex@Pitt.*

Additional online credits may be accepted if taken prior to matriculation into the BSRS Program. Students are expected to review their plan of study with the BSRS Academic Advisor before registering for any online course.  All credits from an outside institution must be approved before a student may enroll.

## Policy on Taking Courses at Another Institution

Current SHRS students in good academic standing (cumulative GPA of at least 2.00), including students admitted to SHRS who need to complete prerequisites prior to starting their program, may attend another accredited institution to complete their degree requirements, provided they receive prior approval from the SHRS Dean's office. Students who have completed 60 or more credits may not take program-required courses or electives at two-year institutions. However, up to six credits of graduate school prerequisites may be taken at a two-year institution and be applied to the BSRS degree.

Students will be required to fill out an approval form and provide appropriate course descriptions. Students may not receive credit for courses taken without advance approval. SHRS students may not enroll in courses outside the University of Pittsburgh in the semester they are graduating from SHRS.

## Course Content Policy

Courses with similar content taken consecutively or concurrently may be denied credit towards graduation. E.g. HPA 1300 Nutrition in Exercise and Sports is not accepted if taken after or concurrently with NUTR 1006 Introduction to Human Nutrition. The same policy applies to HPA 0050 Sports and Drugs and REHSCI 1265 Pharmacology.

## Physical Activity Class Credits

A maximum of two (2) credits of physical activity classes taken while a student is enrolled in SHRS may be counted toward an undergraduate degree in Rehabilitation Science. Likewise, a total of four (4) physical activity credits taken throughout her/his undergraduate career may be counted toward the student’s degree.

This policy applies to all exercise-only classes, found in the School of Education’s Department of Health, Physical and Recreation Education (PEDC courses). It does not apply to PEDC or HPA classes that include academic content, e.g. PEDC/HPA 1141 *Fitness for Instructors* or PEDC/HPA 0196 *First Aid and CPR.*

## Field Experience and Independent Study

REHSCI 1295 *Field Experience* allows the student to participate in a structured experience working with individuals with disabilities or other health care needs and with agencies and facilities that work with these individuals. Additional academic work is necessary to fulfill credit requirements.

Students fulfilling field experience requirements for the Assistive Technology in Rehabilitation (ATR) certificate must register for REHSCI 1296 *ATR Field Experience*. This experience requires significant exposure to assistive technologies.

Students may register for up to three (3) credits of field experience per term and complete a maximum of six (6) credits of field experience (REHSCI 1295 and REHSCI 1296 combined) throughout their undergraduate career.

REHSCI 1299 *Independent Study* provides an opportunity for the student to complete an intense, self-designed study project, with faculty supervision, in an area of special interest which is not covered to any great extent in existing courses. A maximum of six (6) independent study credits may be accepted toward degree requirements in the program.

*NOTE: If a student anticipates interacting with people as a component of the independent study, s/he must register for Field Experience, not Independent Study.*

REHSCI 1297 *Cross-cultural Independent Study* is a specialized independent study course that fulfills the *RS Global Citizenship Requirement* when taken in addition to previous international experience of 4+ weeks and including with a health, health care or disability component.

## Faculty Mentor

The Undergraduate Program in Rehabilitation Science utilizes an academic advisor. See the SHRS handbook regarding the registration procedure and the role of the academic advisor.

In addition, the program assigns students to an SHRS faculty mentor, in the profession of the student’s interest (if possible). Students may meet with their faculty mentor for the following:

* general and admission information concerning the SHRS graduate programs
* general information about programs at other universities (e.g. reputation, strengths)
* general information about their chosen profession
* information regarding mentor’s research area
* possible contacts for volunteer, research assistance or paid positions

Students can learn more about their mentor by reading their CV on the SHRS website. If a student is dissatisfied with their faculty mentor assignment, they should contact the program administrator for possible reassignment.

## Registration and Add/drop Process

Students should review their PeopleSoft Academic Advisement Report regularly, and are responsible for their own degree progress and completion.

The registration and add/drop process is the same as related in SHRS handbook.

Students in the RS program should process all requests for permission to add a closed or restricted Rehabilitation Science (REHSCI) class with the RS administrator. To do so, the student must first receive written permission from the professor offering the class, then forward this to the administrator. The administrator will then provide the student with a permission code allowing them to enroll in the class. Admission to a closed or restricted class is at the will of the professor offering it.

In the event that the academic advisor is not available to process the permission, forms may be signed by the program director and processed in the SHRS registrar’s office.

Rehabilitation Science students will meet with their advisor, Amy Evans, for mandatory advising appointments each term. To schedule an advising or other meeting with the advisor, RS students should use Pathways (beginning Summer 2020) to schedule an appointment with Amy.

## Disability Resources and Services

It is the student’s responsibility to set up disability services, as needed.

Register with the DRS for:

* testing accommodations
* alternative format texts and course materials
* transportation assistance

Student Responsibilities:

* Acquire letter
* Present the letter to faculty member
* Come to a mutual agreement with faculty about accommodations
* Sign agreement

140 William Pitt Union  
3959 Fifth Avenue  
Pittsburgh, PA 15260

Phone: 412-648-7890

Video Phone: 412-228-5374

Fax: 412-624-3346

Monday – Friday  
8:30am to 5:00pm

## Rehabilitation Science Major GPA Calculation

The following courses should be included when calculating the “major” GPA for the Undergraduate Program in Rehabilitation Science (BSRS):

* Any course taken to fulfill a BSRS requirement, excluding the pre-requisite courses
* Any course taken to fulfill an RS certificate requirement (ATR, PKR, PSIR certificates)
* Any SHRS course, regardless of when it was taken. This includes courses with department codes: ATHLTR, CSD, EM, HIM, HRS, NUTR, OT, PAS, PT and REHSCI.

A GPA calculator can be found on Canvas, under the ‘RS Degree Requirements and Certificate Information’ module. Note: this calculator may not be the same as other Universities’ calculators and is specific to the University of Pittsburgh.

# Miscellaneous Program Information

* **Become the professional you want to be.** Be aware of the impression you make on the people around you: peers, staff, faculty, and school leaders. Always exhibit good manners, humility, and compassion, and practice maturity and independence.
* **Visit the SHRS website.** It has helpful information and links: undergraduate and graduate program information, a faculty and staff directory as well as your SHRS Undergraduate Handbook and RS Addendum. [*www.shrs.pitt.edu*](http://www.shrs.pitt.edu)
* **Read the *SHRS Undergraduate Student Handbook****.* It is your responsibility to be familiar with these policies. Links to these documents can also be found on the Canvas Advising Organization site.
* **Review University Undergraduate Catalog.** (Go to <https://catalog.upp.pitt.edu/> ) It is your responsibility to be familiar with these policies. This link can also be found on the Canvas Advising Organization site.
  + Any polices not found in this handbook or the *SHRS Undergraduate Student Handbook* will follow the Dietrich School of Arts & Sciences policy as noted in the University Undergraduate Catalog.
* **Browse the SHRS\_Advising\_Evans Organization.**  You are now enrolled in the RS Advising Organization on Canvas. Please familiarize yourself with this web resource. We regularly post helpful information and reminders.
* **Check and empty your PITT email account regularly**. We communicate primarily by email using your Pitt email address. Make sure that your inbox will accept new emails and attachments at all times.
* **Surveys:** you will be expected to complete short Qualtrics Surveys before each advising appointment. In addition, we will circulate an exit survey at the time of graduation to collect post-graduation plans.
* **Lockers on the 6th floor (271-274) are available for RS students.** Please see Grace Maskarinec to register a locker for the semester.
* **Follow us on social media.** Join the conversation on Facebook **-** *PittRehabScience*& Twitter – *pittrs*
* **COVID-19 Information**
  + **Be sure to regularly check** [**coronavirus.pitt.edu**](coronavirus.pitt.edu) **for the most up-to-date information regarding University policies and procedures during this time.**
  + **You must follow all University/SHRS guidelines regarding masks, PPE, hand washing, daily self-attestation, elevator and stairwell rules, and facility capacities, etc.**
  + **You must consult the syllabus for each class to follow your instructor’s guidelines and expectations in a hybrid/online classroom.**

# Program Contact Information

## Problems or Concerns –

If an academic problem or situation should occur during the semester, the proper channels should be utilized in a specific order. First, you should contact your instructor or professor to let them know there is a problem and work through possible solutions. Next, your program advisor, Amy Evans, can meet with you to further discuss any issues or problems you may be having and recommend possible solutions. Most of the time the issue can be resolved at the program advisor level, but in case of need the RS Director, Dr. Balouris, may help and advise. The SHRS Dean should never be contacted unless all other channels have been exhausted first.

* Academic
  1. Course Instructor/Professor
  2. Program Advisor (Amy Evans)
  3. Director of RS (Dr. Balouris)
  4. Undergraduate Associate Dean (Dr. Conley)
* Personal

1. Program Advisor
2. Faculty
3. University Counseling Center
4. [www.counseling.pitt.edu](http://www.counseling.pitt.edu/)

# Undergraduate Rehabilitation Science Certificates

The undergraduate program in Rehabilitation Science offers undergraduate certificates for students planning to continue their education in rehabilitation science programs or seeking a concentration of courses in a particular rehabilitation science area. These certificates are designed to best prepare students for such graduate programs, but are not required for admission.

The undergraduate Rehabilitation Science certificates are listed below. The requirements for each follow.

* **Assistive Technology in Rehabilitation**
* **Pathokinesiology in Rehabilitation**
* **Psycho-Social Issues in Rehabilitation and Personal Care**

## **Assistive Technology in Rehabilitation**

This certificate provides a focused area of study for students interested in careers in provision of technology to individuals with disabilities. It will prepare students for graduate programs such as prosthetics and orthotics or rehabilitation technology. It will also provide the course work and some of the clinical hours needed to satisfy the requirements for the RESNA (formerly Rehabilitation Engineering Society of North America) Assistive Technology Supplier certification.

|  |  |  |  |
| --- | --- | --- | --- |
| Course Number | Course Name | Cr | Term |
| REHSCI 1200 and 1201 | Human Anatomy and Lab | 4 | F |
| REHSCI 1205/HRS 1023  BIOSC 1070/ NROSCI 1070  BIOSC 1250/NROSCI 1250 | Choose one of the following courses:  Human Physiology  Human Physiology  Human Physiology | 4  4  3 | F  F  F or S |
| HRS 1701 | Introduction to Orthotics and Prosthetics | 2 | F |
| HRS 1704 | Fundamentals of Rehab and Assistive Technology Applications | 3 | F |
| HRS 1706 | Fundamentals of Rehab and Assistive Technology Design | 4 | F |
| REHSCI 1210  PSY 0505  NROSCI 1000 | Choose one of the following courses:  Neuroscience  Introduction to Biopsychology  Intro to Neuroscience | 4  3  3 | F  F or S  F or S |
| REHSCI 1220 | Kinesiology/Biomechanics | 3 | S |
| REHSCI 1290  HRS 1017  HRS 1515/PSY 0515  IL 1580  IL 1560  PSYED 1012 | Choose one of the following courses:  Practical Issues in Disability  Intro to Epidemiology  Rehabilitation Psychology  Foundations of Special Education  Early Education of Young Children with  Disabilities  Developmental Disabilities | 3  3  3  3  3 | S  S  S  S  S |
| REHSCI 1275 | Introduction to Occupation Science | 3 | S |
| REHSCI 1296 | Assistive Technology in Rehab Field Experience | 3 | F or S |
| Optional but recommended: | | | |
| HRS 1718  IE 1061[[1]](#footnote-2)  INFSCI 1044[[2]](#footnote-3) | Client Centered Rehabilitation and Assistive Technology Design (sequence to HRS 1706)  Human Factors in Engineering  Human Factors in System Design | 3  3  3 | S  F  S |
| Total Certificate credits = 31-33 | | | |

## **Pathokinesiology in Rehabilitation**

Completion of this certificate provides the student with an excellent background in the sciences related to normal and pathological motion. It prepares students for graduate programs such as physical therapy, exercise science, kinesiology, and sports medicine. With minimal additional coursework (nutrition and fitness instruction), it also prepares students to take examinations for certification as a personal trainer or fitness expert, such as the Certified Strength and Conditioning Specialist (CSCS®) that is offered by the National Strength and Conditioning Association.

|  |  |  |  |
| --- | --- | --- | --- |
| Course Number | Course Name | Cr | Term |
| REHSCI 1200 and 1201 | Human Anatomy and lab | 4 | F |
| REHSCI 1205/HRS 1023  BIOSC 1070/NROSCI 1070  BIOSC 1250/NROSCI 1250 | Choose one of the following courses:  Human Physiology  Human Physiology  Human Physiology | 4  4  3 | F  F  F or S |
| REHSCI 1210 | Neuroscience | 4 | F |
| REHSCI 1215 | Exercise Physiology | 3 | F |
| REHSCI 1220 | Kinesiology/Biomechanics | 3 | S |
| REHSCI 1250 | Pathophysiology/Human Disease | 4 | S |
| REHSCI 1285 | Introduction to Evidenced-Based Rehab | 3 | F |
| Total Certificate Credits = 24-25 | | | |

## **Psycho-Social Issues in Rehabilitation and Personal Care**

Completion of this certificate provides the student with a background in the psychological and social issues involved in disability, rehabilitation, and personal care. It prepares students for graduate programs in areas such as occupational therapy, rehabilitation counseling, accelerated or direct entry nursing programs, or disability studies. This certificate also introduces the student to some of the skills needed to provide personal care to individuals with disabilities.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Course Number | Course Name | Cr | Term | Term Taken |
| HRS 1704 | Fundamentals Rehabilitation and Assistive  Technology Applications | 3 | F |  |
| REHSCI 1200/1201 | Human Anatomy/Lab | 3/1 | F |  |
| REHSCI 1205/HRS 1023  BIOSC 1070/ NROSCI 1070  BIOSC 1250/NROSCI 1250  And BIOSC 1255 | Choose one of the following courses:  Human Physiology  Human Physiology  Human Physiology and lab | 4  4  3 | F  F  F or S |  |
| REHSCI 1210  PSY 0505  NROSCI 0080  NROSCI 1000 | Choose one of the following courses:  Neuroscience  Introduction to Biopsychology  Brain and Behavior  Intro to Neuroscience | 4  3  3  3 | F  F or S  F or S  F or S |  |
| REHSCI 1230 | Rehabilitation Ethics | 2 | F |  |
| REHSCI 1250 | Pathophysiology/Human Disease | 4 | S |  |
| REHSCI 1275 | Introduction to Occupation Science | 3 | S |  |
| REHSCI 1290  HRS 1017  HRS 1515/PSY 0515  IL 1560  IL 1562  IL 1563  IL 1580  PSYED 1012 | Choose one of the following courses:  Practical Issues in Disability  Intro to Epidemiology  Rehabilitation Psychology  Early Ed. of Young Children w/ Disabilities  Assessment: Young Children with Disabilities  Inclusion Pre-K  Foundations of Special Education  Developmental Disabilities | 3  3  3  3  3  3  3  3 | F or S  F or S  S  S  S  F  F/S/Su  S |  |
| Total Certificate Credits = 28-30 | | | | |

# SHRS STATEMENT OF UNDERSTANDING

**I Hereby Acknowledge and Agree**

I \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ have read and understand all terms and polices associated with the Rehabilitation Science Addendum to the SHRS Undergraduate Student Handbook 2020-2021

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Printed name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Date

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Signature

\*\* Please sign and date and upload to Canvas in the Assignments Tab.

The link to these documents can be found our Canvas page.

1. Requires a co-requisite of ENGR 0020 – Probability and Statistics for Engineers 1 (which requires a prerequisite of MATH 0230 – Analytic Geometry and Calculus 2). Students may be able to use STAT 0200 as the prerequisite. [↑](#footnote-ref-2)
2. Requires a co-requisite of INFSCI 0010 – Intro to Information, Systems, and Society [↑](#footnote-ref-3)