

ROWAN UNIVERSITY
DEPARTMENT OF HEALTH AND EXERCISE SCIENCE

EXERCISE SCIENCE
STUDENT HANDBOOK

Fall 2024

James Hall
201 Mullica Hill Rd.
Glassboro, NJ 08028

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Dear prospective or current student,

Thank you for your interest in the Exercise Science program. This handbook is designed to be a practical guide throughout the student’s years in the major and attempts to answer the many questions you may have. For the prospective student, this handbook is also useful in helping you decide if the Exercise Science field is right for you and if this major will meet your needs. Please do not hesitate to contact the faculty or administrative staff within the department with any questions not answered by this handbook. Faculty are more than happy to help ALL students!

The Exercise Science faculty have worked very hard to create a program that they feel will thoroughly prepare students interested in the field of Exercise Science. In 2016, the program began with 25 students. Moving into the fall of 2024 there are more than 400 students in the program. This far exceeded the initial projections.

In developing the program and course sequencing, faculty began by reviewing other excellent programs across the country. In addition, they used their relationships with professional organizations in the field of Exercise Science. A few of these organizations include the:

- American College of Sports Medicine (<http://www.acsm.org/>)
- National Strength and Conditioning Association (<https://www.nsc.org/>)
- National Academy of Sports Medicine (<https://www.nasm.org/>)
- American Physical Therapy Association (<https://www.apta.org/>)
- International Society of Sports Nutrition (<http://www.sportsnutritionistsociety.org/>)

Each faculty is affiliated and actively involved with one or more of these organizations. In addition, faculty have worked for many years in the field of Exercise Science and bring their practical experience into the classroom. Most faculty are certified through one or more of these organizations and use that certification experience to prepare students when they are ready to do the same.

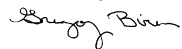
The program is recognized by the **National Strength and Conditioning Association** through their **Education Recognition Program**. This recognizes the Exercise Science major as teaching the knowledge, skills and abilities required in the Strength and Conditioning field. The program is accredited through the **Commission on Accreditation of Allied Health Education Programs** (CAAHEP). The specific accreditation is through the Commission on Accreditation for the Exercise Sciences (CoAES). This program accreditation is within the Exercise Science track reviewed by the **American College of Sports Medicine**. This accreditation allows the program to make sure it is meeting the expectations of the

profession and the careers available for Exercise Scientists.

Please take the time necessary to read and understand this handbook. **ALL students are REQUIRED to be fully aware of ALL policies within this document and to abide by them.** If you are currently a student, please keep and use it as a reference. Again, if you have any questions or comments, don't hesitate to contact Dr. Biren at 856-256-4500 ext. 53728 or biren@rowan.edu

Please also visit our webpage on the Rowan University website <https://sites.rowan.edu/snhp/departments/hes/programs/undergrad/human-performance/> for the most up-to-date information on activities within Exercise Science. The faculty wish ALL students the best in their future endeavors!

Sincerely,



Dr. Gregory Biren, PhD
Associate Professor and Exercise Science Program Coordinator
Department of Health and Exercise Science
Rowan University

Introduction

1. What is Exercise Science?

Exercise Science uses evidenced based research to develop exercise, lifestyle, and nutritional programs for the purpose of optimizing one's health, fitness, and performance goals. While exercise scientists work with a variety of healthy populations, they also work as health care professionals for patients with cardiovascular, metabolic (e.g., diabetes), pulmonary, cancer, obesity, and neurological diseases. The program's primary focus is the prevention or reduction in risk for developing these conditions; however, understanding how to modify exercise programs for those with these conditions is equally stressed. The Exercise Science program also considers training athletes and those with a goal of enhancing performance using scientifically sound conditioning principles. The science behind developing power, speed, strength, balance, and other essential components of fitness requires an in-depth understanding of how the human body responds and adapts to exercise and nutrition. This program teaches foundational knowledge as well as application of those scientific principles.

In addition to the scientific knowledge attained, students develop the essential skills that are used to improve and achieve peak performance. These skills include medical history assessments, functional movement screenings, gait and body composition analysis; resting and exercise blood pressure and heart rate assessments; pulmonary function testing, ECG interpretation, maximal oxygen consumption (VO₂max) testing, nutritional analysis, cholesterol screening, biomechanical analysis for injury risk reduction; and many other exercise testing procedures.

2. What kinds of careers are available for those with degrees in Exercise Science?

Clinical Exercise Physiologists are health care professionals who work with clients, patients, and athletes to enhance performance and reduce the risk of chronic diseases: including cardiovascular, metabolic, neurological, and pulmonary diseases. They work in weight management programs associated with obesity and use a preventative approach to help individuals reduce the risk of developing disease and orthopedic injuries. Clinical Exercise Physiologists also work in conjunction with other health care providers including medical doctors, physician assistants, physical therapists, and nurses to design scientifically supported exercise programs for patients as they recover or manage an illness or injury. They may be involved in the education, program development, and monitoring of clients and patients in medical/clinical settings. Hospital based exercise programs designed to reach the community are increasing to provide a safer experience to individuals at risk with a more experienced staff.

Strength and Conditioning programs that span from youth to seniors have evolved dramatically over the last decade. Clients looking to enhance performance for sport, recreation, or simply to improve activities of daily living need the knowledge and skills Exercise Physiologists provide. Strength and Conditioning coaches can work in private facilities, high schools, all levels of collegiate athletics, and all levels of professional sports.

Corporate Fitness programs are designed to reduce the health care cost and increase productivity for employers by integrating exercise, nutrition, and lifestyle programs for its employees. These programs may focus on weight management, stress reduction, and the reduction of risk factors for a variety of health conditions including cardiovascular and metabolic disease. These programs are many times offered to the employee's families and retirees as an added benefit.

Community settings, such as the YMCA, offer a wide range of health, exercise, and conditioning programs to a variety of populations. Programs and services may target children, teens, senior citizens, and other special populations. As non-profit organizations, their goal is to improve the health, fitness, and

well-being of members of their identified community.

Youth Fitness programs are designed to improve the physical activity habits of children and adolescents. Physical literacy improves the ability, confidence, and desire of today's youth to engage in a physically active lifestyle through positive physical activity experiences. Experts in the field of youth fitness understand that youth are not smaller adults. Their physiological, psychological, and sociological skills are different and require a unique approach to prescribing exercise and or physical activity.

Graduate School and Health Care Professions are also options with the Exercise Science degree. This degree will prepare students for graduate-level health care academic programs in Exercise Physiology, Biomechanics, and other exercise science based programs. Students are also prepared for application to graduate program areas such as physical and occupational therapy, physician assistant, medical, osteopathic, nursing, and chiropractic programs. While an undergraduate degree is sufficient to obtain a professional position in the field, a master's degree will provide more options and greater growth potential. The Exercise Science program will allow students to gain most of the prerequisites required for most health care fields within the course work. With proper guidance through the academic and health profession advisers, students can earn their undergraduate degree and obtain most if not all prerequisites within the 120 credit hours.

3. Who is my advisor?

Mrs. Jeanine Dowd is the academic advisor for Exercise Science major. All students should meet with her each semester to have their schedules approved and verify that they are "on track". **STUDENTS SHOULD NOT SCHEDULE THEIR CLASSES WITHOUT FIRST MEETING WITH HER.** Her email address is dowd@rowan.edu She is located on the 1st floor of James Hall. Call 856-256-64224 to schedule an appointment or use the Rowan Success Network. See Mrs. Dowd for any of the following:

- Transfer of credits from another college or university
- Fulfillment of General Education requirements
- Fulfillment of requirements within the major
- Qualification to begin a senior internship
- Verification of completed courses, recorded grades, academic standing and G.P.A.
- Graduation application

Dr. Keyona Gonzalez-Walker is the coordinator for the Pre-Health Programs for the Division of Academic Affairs. For students interested in health care professions such as physical and occupational therapy, medical and osteopathic medicine, physician assistant, nursing or chiropractic programs, **Dr. Gonzalez-Walker** will serve as the Pre-Health Programs Coordinator. Her role is to provide guidance for students that may be applying to graduate schools. Her email address is walker@rowan.edu Phone 856-256-4787. Please visit their homepage: <https://sites.rowan.edu/academic-affairs/office-of-pre-health/>

Dr. Gregory Biren is the faculty program coordinator for the Exercise Science major. All students within the major should make an appointment to meet with him upon entering the program. biren@rowan.edu phone 856-256-4500 x53728. See him for questions in the following areas:

- Description and content of courses
- Career planning within the exercise science field
- Involvement in the Exercise is Medicine Club
- Choosing a graduate school and/or major
- Student issues that may arise during the academic career

Mr. Ciaran Cribbs is the faculty coordinator of the Exercise Science senior internship program. All students must meet with him prior to registering for a senior internship. Students should begin planning ONE YEAR prior to their intended start date. cribbs@rowan.edu 856-256-53290. Mr. Cribbs can:

- Provide a listing of all senior internship sites with affiliation agreements
- Provide the senior internship guidelines
- Assist with site selection
- Approve new senior internship sites
- Monitor the senior internship

Given that the internship could be 25 – 40 hours per week, students are advised to be careful taking on too much outside work or other coursework during the internship semester if possible. Students are allowed to take up to six additional credits with the internship; however, they must come from **non-major** courses. **ALL major coursework with a C- or higher is required PRIOR to beginning the senior internship.** In addition, **students must complete and have approved 40 professional development hours.** These are to be logged into the “Exercise Science Major” Canvas shell. All students will be added to this section during the Foundations of Exercise Science course. If a student does not have access to this Canvas shell they need to contact Mr. Cribbs or Dr. Biren

4. Faculty Listing in the Department of Health and Exercise Science

The Exercise Science program is proud of the expertise and variety of backgrounds the faculty possess. Students should make an effort to introduce themselves to each faculty member and share their career goals. Networking is an extremely important component within the major and each faculty can provide a different perspective in the field of exercise science. The following list consists of the full time and adjunct faculty that teach the Exercise Science major courses.

Keith Abruzzese, DPT

Dr. Abruzzese is the Director of Rehabilitation Resources for Virtua Health Systems. He is a healthcare leader experienced in leading multi-site operations in the hospital and healthcare industry. He is skilled in team building, change implementation, outpatient rehabilitation, orthopedics, spine, athletic injuries, and acute care rehabilitation.

Terry Andrus, DPT, OCS, COMT

Dr. Andrus is an instructor for the courses Biomechanics, Motor Control, and Exercise for Special Populations within the HES department. He is a Physical Therapist and received his entry-level PT degree from Stockton University and a Post-Profession Doctor of Physical Therapy degree from Drexel University. He is also Board certified in Orthopedics and Orthopedic Manual Therapy.

Gregory Blake Biren, Ph.D.

Dr. Biren received his undergraduate degree from Shippensburg University and both his Master and Doctoral degrees from Temple University. His clinical experience as an Exercise Physiologist includes working with a Medical and Wellness Center for patients at risk for cardiovascular, diabetic, obesity, and orthopedic conditions. His area of interest is integrating “Sport Science” into the K-12 school system in an effort to excite youth to care for their body and develop an interest in STEM. He served on the New Jersey State Board for the National Strength and Conditioning Association (NSCA). He co-advises the Exercise is Medicine Club. He is a firm believer that anyone can achieve any goal, if they are willing to

sacrifice and put forth the required effort. This includes achieving one's health, fitness, educational, and career goals. His mission is to serve as an educator, motivator, and resource for helping individuals learn how to attain higher levels of health through exercise, nutrition, and lifestyle modification. His passion includes family, music, exercise, and sports.

Robert Cavallaro, DC

Dr. Cavallaro completed his undergraduate work at Rutgers University, and received his Doctor of Chiropractic degree from Palmer College of Chiropractic. His practice was located in Atco, N.J. for 37 years and he specialized in treatment and rehabilitation of spinal and radicular injuries. In the Winter of 2019 he semi-retired from his practice. He now treats patients two days per week at Atlantic County Family Spine. In the Fall of 2014, he began instructing at Rowan University. His life interests include family, church, community, physical fitness training, tennis, skiing, running, biking, and generally anything that keeps me in motion.

Ciaran Cribbs, M.S., RD, CSCS, RCEP, EP-C

Mr. Cribbs earned his bachelor of science degree from the University of Massachusetts, became a Registered Dietitian and Master of Science in Exercise and Sports Nutrition from Texas Woman's University, and Master in Clinical Exercise Physiology from Northeastern University. He has 20 years experience in personal training and fitness in both commercial and corporate settings. He is certified through the American College of Sports Medicine as a Clinical Exercise Physiologist and Registered Clinical Exercise Physiologist. He is certified through the National Strength and Conditioning Association as a Certified Strength and Conditioning Specialist and a Certified Personal Trainer through the National Academy of Sports Medicine.

Scott Dankel, Ph.D.

Dr. Dankel completed his undergraduate education at Rowan University before traveling to The University of Mississippi for his graduate education. One of his primary research interests examines adaptations that occur in response to blood flow restricted resistance exercise, and how manipulating different variables alters the applied stimulus. He has also performed research examining how individuals respond differently to the same resistance training intervention after accounting for the magnitude of variability introduced by measurement error and biological variability. He is a member of ACSM and has presented his research findings at the ACSM national conference every year since entering graduate school. Dr. Dankel also has experience teaching Health and Physical Education classes to Elementary, Middle and High School students, and has trained student athletes at a sports performance facility.

Jeanine Dowd, M.S. (Advisor)

Mrs. Dowd earned her degree in Health and Exercise Science from Rowan University along with her M.A. in Higher Education Administration. She has been working in Academic Advising and as an adjunct instructor in the Health and Exercise Science department for the past 7 years and has worked at Rowan University for 17 years. Before joining the School of Health Professions, Mrs. Dowd worked in the Division of Student Life in the Rowan Recreation Center and Student Center. Prior to a position at Rowan University, Mrs. Dowd taught high school Health and Physical Education in the NJ public school system and taught adjunct Health and Exercise Sciences classes at Rowan College at Gloucester County. Mrs. Dowd is an avid runner and 6-time marathoner and currently coaches youth soccer and track and field clinics.

Christina Garcia, M.S., ACSM- EP, CSCS

Ms. Garcia earned her bachelor of arts in Exercise Science with a minor in Spanish at John Carroll University. She then went on to Temple University where she earned a Master of Science in Kinesiology with a concentration in Integrative Exercise Physiology. Following her student career at Temple, she acted as the Exercise and Sport Science lab manager for two years. Her professional experience includes work in strength and conditioning and she also has experience in pediatric exercise testing. Ms. Garcia is a Certified Exercise Physiologist through the American College of Sports Medicine.

SoJung Kim, Ph.D.

Dr. Kim received her undergraduate and master's degrees in Physical Education and her Doctorate degree in Exercise Physiology from the University of Oklahoma. In addition, she received postdoctoral training at the Center for Hip Health and Mobility at the University of British Columbia in Vancouver, Canada. Her research interests include: Alternative exercise interventions for bone and cardiovascular health, bone metabolism and exercise, osteoporosis awareness and prevention in college-aged students, and body composition. She is a certified bone densitometry technologist and a certified phlebotomy technician.

Lisa Lattera-Hughes, PhD

For over 22 years, while living in Philadelphia, Dr. Latter-Hughes was a Clinical Exercise Physiologist who specialized in Pediatrics. She managed two Cardiac labs at St. Christopher's Hospital for children: first, the Cardio-Pulmonary Lab, where she performed multiple types of cardiac exercise testing on patients. Second, the Cardiac Device lab, where she was responsible for programming pediatric patients' pacemakers, defibrillators and internal loop recorders for cardiac telemetry. In addition, Lisa taught various courses for the past 10 years in topics covering Anatomy & Physiology, Nutrition, Chemistry and Life Span development. She also taught a 6-week Personal Training Certification course for World Instructor Training Schools for more than 5 years. Lisa's doctoral research focused on Parental Knowledge of signs, symptoms and risk factors associated with Sudden Cardiac Arrest (SCA) in adolescent athletes.

Lisa utilizes all her clinical experience to help teach students how to apply the "textbook" theories to "real-life" situations with patients and clients.

James Ronga, D.C.

Dr. Ronga earned his undergraduate degree at St. Joseph's University and his graduate degree from Sherman College of Chiropractic. He has taught courses in Spinal Anatomy/Physiology, Geriatrics, Public Health, and Medical Terminology. He has practiced Chiropractic care for 35 years. He has been a runner for 50 years, a tennis player for 40. His passion is to accentuate the close structure/ function relationship that exists in helping us to maintain our homeostasis, with an emphasis toward the more natural approach in health care. Given the great profession he was blessed to find, he enjoys being a conduit for his students to find their future passion/profession whether that be future chiropractors, osteopaths, podiatrists, physical therapists, nurses, trainers, coaches, et al, as he believes there is no greater gift than enjoying and excelling in your *chosen* vocation.

William Peifer, M.S.

Mr. Peifer is a former graduate from Rowan University with my B.A. in Education. He currently is a full time High School Health and Physical Education teacher at Gloucester County Institute of Technology. He holds a Masters of Kinesiology at A.T. Still University. He is certified through the National Strength and Conditioning Association as a Certified Personal Trainer and a sports performance coach through

USA Weightlifting. He continues to be an active personal trainer, helping coach over 20 clients achieve their fitness goals through a healthy diet and exercise. He is truly excited about the opportunity to work as a faculty member at Rowan University and inspire others to achieve greater health and wellness.

Tim Schmitz, M.S.

Mr. Schmitz is a graduate of Rutgers University and California University of Pennsylvania, He is an adjunct instructor for the HES Department teaching Exercise Physiology with Laboratory. He is currently a full-time faculty member and Exercise Science Program Coordinator at Rowan College at Gloucester County, where he is also an Assistant Men's Soccer Coach. His academic interests include sports performance and strength and conditioning, especially in soccer and baseball. He is a Certified Strength and Conditioning Specialist (CSCS) through the NSCA. When not in the classroom, he enjoys staying active through running and playing in men's soccer leagues.

Mehmet Uygur, Ph.D.

Dr. Uygur has a diverse educational background that includes the following degrees: M.S. in Exercise Physiology (Middle East Technical Institute in Turkey), M.S. in Biomechanics and PhD in Motor Control both from the University of Delaware. He also has postdoctoral training in Neurophysiology at University of Delaware. Since beginning his career at Rowan University in 2014, he has been teaching various courses including Exercise Physiology, Kinesiology, Applied Biomechanics, Exercise Prescription, and Motor Control and Learning. His research interests include the kinetic assessment of hand function and neuromuscular quickness in healthy and neurological populations. He is also interested in the effects of high-speed, low-resistance exercise on various aspects of cognitive and motor functions in neurological populations including people with Parkinson's disease, multiple sclerosis, and schizophrenia. He played basketball at a professional level in Turkey.

To reach a faculty member, dial (856) 256-4500 and their extension. To reach the department secretary, Mrs. Lisa Brown, dial (856) 256-4785 or Mrs. Sarah Skidmore (856)-256-4784.

<u>Name</u>	<u>Extension</u>
Dr. Greg Biren	53728
Dr. Nancy Buhner	53703
Dr. Joanne Bullard	53709
Mr. Ciaran Cribbs	53290
Mr. Scott Dankle	64743
Mrs. Jeanine Dowd	64420 (Academic Advisor)
Mrs. Laurie Dwyer	64420 (Academic Advisor)
Ms. Chrissy Garcia	garciach@rowan.edu
Dr. SoJung Kim	64742
Dr. Dylan Klein	53623
Dr. Stephanie Kneeshaw-Price	
Ms. Samantha Lambert	
Dr. Lisa Lattera-Hughes	
Dr. Jennifer Longo	53704
Dr. Dara LoBuono	53752
Dr. Douglas Mann	53706
Dr. Maureen Reidenauer	53740
Dr. Leslie Spencer	53761
Dr. Robert Sterner	53767

Dr. Mehmet Uygur	64785
Dr. Nicole Vaughn	64764
Dr. Robert Weaver	53765
Dr. Sheri Willis	53702

5. Exercise is Medicine (EIM) Club

“Exercise is Medicine® (EIM) is a global health initiative managed by the American College of Sports Medicine (ACSM) that is focused on encouraging primary care physicians and other health care providers to include physical activity when designing treatment plans for patients and referring their patients to EIM Credentialed Exercise Programs and Exercise Professionals. EIM is committed to the belief that physical activity is integral in the prevention and treatment of diseases and should be regularly assessed and “treated” as part of all healthcare.

While there are many clubs within the department, EIM is the primary club for Exercise Science students. Membership provides students with the opportunity to gain valuable experience and begin building a professional network while in school. Active members are better prepared and in higher demand for internships and job opportunities upon graduation. In the past, projects have included hosting exercise and nutritional workshops for the community, participation in the Philadelphia Science Festival promoting the science behind exercise, and developing Sport Science programs within the K-12 school system to promote learning science through understanding the human body. Please contact Mr. Ciaran Cribbs, Ms. Chrissy Garcia or Dr. Greg Biren (Club Co-Advisors) if you are interested in becoming a member of this organization. You can join by reaching out to the E-Board from this link.

<https://rowan.campuslabs.com/engage/organization/exerciseismedicine>

Academic Requirements

6. What are the requirements to enter the Exercise Science program?

To qualify for acceptance into Exercise Science, a student must first meet with the Academic Advisor, Mrs. Jeanine Dowd, to discuss the student's intentions to declare this major. Required paperwork can be completed at this time.

The following are policies at the University, College, and or Departmental level with which students must be aware.

1. It is important to note that **all 300 and 400 level courses are taken on the Glassboro campus** for the following reasons. Exceptions to this must be evaluated by the Exercise Science team for approval.
 - The Exercise Science program is accredited through the *Commission on Accreditation for the Exercise Sciences (CoAES)*. This program establishes the content, skills, and experiences educational programs should provide for students desiring careers in Exercise Science. In order to meet accreditation requirements, the Exercise Science program must ensure each student meets the competencies required by CoAES. The majority of competencies for this accreditation are acquired within the 300 and 400 level classes. Data is collected in these classes to provide the annual report. When students take these courses at other institutions, data cannot be collected and the program is unable to assess that the competencies were covered at the level in this program. As with many policies, there may be exceptions, but they must be approved by the Exercise Science

faculty. www.coaes.org/

- The Exercise Science program is recognized by the National Strength and Conditioning Association through their **Education Recognition Program** (ERP). This program establishes the content, skills, and experiences educational programs should provide for students desiring careers in strength and conditioning. In order to maintain recognition, the Exercise Science program must ensure each student meets the competencies required by ERP. As stated above, most of the competencies are obtained in the 300 and 400 level courses. <https://www.nasca.com/education/education-recognition-program-erp/>
 - Finally, students should note that each course is specifically designed to provide prerequisite content, skills, and experiences for students to be prepared for the next level course. All courses are interrelated and dependent on students being properly prepared.
2. Students **MUST** earn a **C- or higher** for all courses within the major. If a student does not earn a C- or higher they will need to repeat the course. Students will not be able to register for the next level course if they do not earn this grade which may delay the student's graduation.
 3. Students may **ONLY take a course 2 times**. It is a **university policy that no student will be allowed to take the same course 3 times**. Withdrawing from a course counts as one time. Students must understand the importance of earning grades to prevent this from happening. If a student does not earn a C- or higher for the second time of the same course, they may appeal to the Academic Student Affairs Committee (contact Dr. Uygur) or they will need to **change their major**. Students are required to review the policy at the following link. <https://confluence.rowan.edu/display/POLICY/Repeating+a+Course+Policy>
 4. **Attendance**. Most of the learning and skill development happens in the classroom. Students not attending class are missing opportunities to develop the knowledge, skills, and abilities required for a successful career in Exercise Science. Please see Rowan's attendance policy. Students are required to review the policy at the following link. <https://drive.google.com/file/d/1D2xz34EF4pRMmYKy1Gwo4ImpCXElgtDJ/view?usp=sharing>
 5. **Handling issues** in courses or the Exercise Science program. It is essential for students to follow proper procedures when dealing with issues in a course of any aspect of the program. Students should always meet with the teacher first to address the concern. If the student feels the issue was not resolved properly, then the next procedure is to meet with the **Academic Student Affairs Committee** (ASAC). Dr. Uygur is the chair of the committee and can be reached at uygurm@rowan.edu The ASAC committee is composed of Dr. Uygur, the chair, the program coordinator of the major, and the adviser of the major. If the committee is not able to address the issue, then the student will be advised to speak with the chair of the department, Dr. Biren.

7. What are the requirements to graduate with the Exercise Science major?

Professional Development Hours. Prior to registering for Senior Internship in Exercise Science, a student must complete 40 professional development hours (PDHs) outside of the classroom and have them approved. A thorough description of PDHs is given in the Foundations of Exercise Science course. Please use the "**Exercise Science Major**" Canvas shell for details on professional development opportunities.

- These hours are required in 3 courses spread throughout the 4 year program; however, PDHs obtained 3 months prior to the fall semester (over the summer) and over the winter break for a spring semester course. Students will upload with supporting documents their PDH involvement in the "**Exercise Science Major**" Canvas shell for the following course categories.

- Foundations of Exercise Science, Motor Control, Senior Seminar

Most can be completed at little or no cost to students and many opportunities are offered on campus to complete the hours. PDHs are essential for providing students with hands-on experience and practical knowledge that will better prepare them for their internship and the workplace upon graduation. Students can earn these hours at any point and carry them forward into class. Please see the Canvas shell for details.

Students should check with the instructor, Mr. Cribbs, Ms. Garcia, or Dr. Biren in advance to ensure the activity will count towards PDHs. Students may not use more than 10 hours from any one activity. For instance, if a student volunteered 20 hours at a physical therapy session that is great, but they can only use 10 hours from that site. This is for the purpose of providing more experiences for the student.

8. What Students Can Expect of the Faculty

Excellence in teaching. Courses will include content and learning experiences that are relevant to the profession and important for students to have and know. Faculty will be organized and well-prepared for each class meeting. The faculty has committed to delivering course material and learning experiences with professionalism and competence.

Timely and appropriate responses to student concerns. Faculty will respond to email and voice messages within a working day (weekends and holidays may take longer). Student concerns will be carefully considered and addressed with fairness and respect.

Personal attention and mentoring. Faculty will seek to know each student and, as much as is possible, provide individual students with the advising and mentoring that they want and need. Faculty and advisors will show concern for aspects of the students' wellbeing and help students achieve personal wellness.

Fair and consistent grading. Faculty will determine grades fairly, using standardized rubrics that enable the student to see the strengths and weaknesses of each graded assignment. Faculty will meet with students to discuss the quality of their work and how they may improve it at the student's request. With the possible exception of major projects, all student work that is submitted on time will be graded within seven days of the submission date.

Role modeling of the Exercise Science philosophy and goals. Faculty and advisors will strive to live according to the principles and ethical standards related to professional behavior. Faculty and advisors will treat students and their colleagues the way they expect students to treat each other and their professors.

Course attendance. Faculty will hold ALL courses throughout the semester and will not cancel classes unless initiated by Rowan University or an emergency situation experienced by the faculty. If either occurs, faculty will provide an online assignment to ensure the class stays on track with the syllabus.

Tardiness. All faculty will arrive several minutes PRIOR to the start of class to ensure all materials are ready to begin and attendance is taken by the start of the class time.

Students Needing Special Accommodations:

Your academic success is important. If you have a documented disability that may have an impact upon your work in this class, please contact your professor. Documentation from the Office of Accessibility

Services is required in order to receive official University services and accommodations. The Office of Accessibility Services can be reached at successcenter@rowan.edu | (856) 256-4259 and is located on the 3rd floor of Savitz Hall suite 304. The staff is available to answer your questions and help you with your accommodations. For more information, visit <https://sites.rowan.edu/accessibilityservices/>

The Rowan Success Network powered by Starfish® is designed to make it easier for you to connect with the resources you need to be successful at Rowan. Throughout the term, you may receive email from the Rowan Success Network team (Starfish®) regarding your academic performance. Please pay attention to these emails and consider taking the recommended actions. Utilize the scheduling tools to make appointments at your convenience including tutoring. Additional information about RSN may be found at www.rowan.edu/rsn.

What the Faculty Expect of Students

Exercise Science faculty want all graduates to be successful in finding desirable careers and or entering selective graduate school programs. Experience demonstrates that the most successful students and graduates demonstrate the following good habits, which is why the faculty ask all students to strive for them.

Active contribution to class. Students learn best when they are actively engaged in the process. While Exercise Science courses will include some amount of lecture, students will be expected to contribute to the learning process on a regular basis. All students are expected to: complete assigned reading *prior* to class, bring textbooks to class, use devices as part of the learning experience in class, and expect to share and discuss assignments with classmates in class. This is part of the Dispositional grade for this course.

Attendance: *You are expected to show up to every class on time and prepared.* If you have a documented absence for school-related or medical reasons, please provide this to your instructor. If possible, make arrangements **ahead of time** to make up any work you miss.

Tardiness: It is disruptive to the class and the instructor when students arrive late. If other commitments require you to be late on a regular basis, please register for another section of the course. The instructor will take attendance in the beginning of class; students entering after role is taken will be marked as absent unless the student lets the teacher know at the end of class. They will then be marked as late rather than absent. This may be part of the course grade.

Texting and use of devices in class: Faculty value technology and, in some classes, will integrate it as part of the classroom experience. They also value a class in which everyone is attentive and participating without distractions. This is called “mindfulness” and it is a great way to reduce stress and increase personal wellbeing. *Please do not text while in class; turn your phone off and put it away.* Students may use laptops in class to follow the PPTs and take notes. Please do NOT go to any other websites or do other work. It is distracting to other students and keeps the student from focusing, too. **Your instructor WILL watch for this and address it in class if devices are being used improperly.** This is part of the Dispositional grade for this course. Please see Rowan’s “Mobile and Electronic Devices in the Classroom Policy” link.

<https://confluence.rowan.edu/display/POLICY/Mobile+Electronic+Device+Policy?searchId=DR4YWPCJE>

Classroom Behavior Policy: All faculty, professional staff, and students are required to follow the “Classroom Behavior” policy developed by the university. Students should be aware and follow this policy. Please see the link. <https://confluence.rowan.edu/display/POLICY/Classroom+Behavior>

Artificial Intelligence Policy: Each faculty has the academic freedom to determine the use of AI and other electronic ways of gathering information. Please see Rowan's policy on AI. Please make sure you are clear about your professors' policies.

<https://sites.rowan.edu/academic-affairs/facultycenter/resources/generative-ai/>

Honesty: Students are EXPECTED in all classes to complete work honestly and fairly. Copying other people's papers, citing references that you did not use, plagiarizing an author's words and cheating on exams are some examples of dishonest practices that will **at minimum** cause the student to fail the class. DO NOT CHEAT. If students are unsure about whether or not something is "legitimate" in their paper, discuss it with the instructor. **Plagiarism** occurs whenever one copies **more than three words of** someone else's text without directly quoting it or uses someone else's ideas without giving them credit. PAPERS MUST BE WRITTEN IN THE STUDENTS OWN WORDS.

The Rowan Academic Integrity Policy is found at

<https://docs.google.com/document/d/1vrvs39WljTTDZh0yZjnAXrnMoLyvYOhxBP8D5R0EFqw/edit>

Late Work: Each professor will determine whether late work is accepted in their course. If work is accepted late, the penalty will be specified in the course overview by the instructor. Time-sensitive assignments, such as group discussion posts, will not be accepted late. With the exception of a medical emergency, work is expected to be submitted on time even if the student has an excused absence.

Time commitment to complete high-quality work. Each course is designed with the expectation that students will spend approximately 5 hours outside of class studying, reading and preparing assignments. If a student takes five courses, this means you are committing to 45 hours each week between class time and course-related work outside of class. Students may want to consider taking fewer classes per semester if they have work and other commitments that will limit the amount of time you have for outside studying and class preparation.

Use of Canvas, Google Docs and other technology. Most Exercise Science courses and extracurricular activities will require students to use technology. They are expected to fully utilize Canvas and check it frequently. Students are also expected to create a Google account with your Rowan email and have access to Google Docs resources.

Policies Related to the Senior Internship and Graduation

9. Professional Development Opportunities and Events

The Department maintains an online bulletin board of current job openings, training and certification opportunities, conferences, and other professional opportunities for students. The board is updated daily, so please "join" the group to receive the announcements of new opportunities. Those requiring professional development hours can find approved activities at this link:

https://www.hootboard.com/b/446502/Rowan_University

In addition, all Exercise Science students interested in the healthcare profession and graduate school are encouraged to sign up for the Office of Pre-Health Programs list serve. Students will receive weekly emails of events that will contribute to PDHs and provide invaluable experiences for students. Those wishing to receive these emails may sign up for the list serve using this link:

<https://sites.rowan.edu/academic-affairs/office-of-pre-health/>

The Exercise is Medicine Club provides several PDH opportunities each semester. All Exercise Science students should become a member of the club. To become a member use this link:

<https://rowan.campuslabs.com/engage/organization/exerciseismedicine>

10. What courses do I need to take?

Courses fall into three categories. Rowan Core courses are required of all Rowan students. Exercise Science major courses are required of all Exercise Science students. Free electives provide students an opportunity to take courses of interest that may not be related to the major.

Please see this link for the “**8 Semester Program Guide**”. This link shows all the courses required for the program throughout the 4 year/8 semester program.

<https://drive.google.com/file/d/1QA0yi0k1bbZdr5dMSVbQJRVBjREfcPDK/view?usp=sharing>

A specific list of courses is shown on the following pages. Please see the **Rowan University Undergraduate Catalog** for a full description of the General Education requirements and additional information about the University’s academic policies.

https://catalog.rowan.edu/preview_program.php?catoid=9&poid=4158&returnto=531

Rowan Core Requirements and courses outside the department for Exercise Science major students.

	<u>Credits</u>
Communicative Literacy	9
Composition 1 (3 credits)	
Composition 2 (3 credits)	
Public Speaking (3 credits)	
Scientific Literacy	12
Biology I (Foundations In Biology for Biomedical Science)	
Biology II (Foundations In Biology for Biomedical Science)	
Chemistry 1	
*3 credits are required for this “core” section. Each of the above are 4 credit courses	
Humanistic Literacy	3
Essentials of Psychology (3 credits)	
Artistic Literacy	3
Student’s choice (3 credits)	
Quantitative Literacy	3
Statistics 1 (3 credits)	
Global Literacy	3
Student’s choice (3 credits)	
Free Electives	18
Students choose (6) 3-credit courses	
Broad Based Literature Writing Intensive.	3

TOTAL OF 54 CREDITS

Students are STRONGLY encouraged to complete a minor or concentration using the Rowan Core and Free Electives. Recommended minors include Nutrition, Psychology of Sport and Exercise, Foreign Language, Business, Psychology, Dance, Computer Science, and Biology. Recommended concentrations include Pre-Medicine, International Studies, Women’s Studies, Leadership, and Honors. Certificate of Undergraduate Study (CUGS) are combinations of courses that prepare students in certain fields of study. They typically require 4 courses. The Department of Health and Exercise Science offers a CUG in Psychology of Sport and Exercise, Sport Management, and Adventure Education.

Exercise Science Major Curriculum Taught in the Department of Health and Exercise Science

	<u>Credits</u>
Foundations of Exercise Science	3
Anatomy and Physiology 1 and 2	8
• (taught in Biology Department)	
Safety, First Aid and Prevention	3
*Essentials in Strength Training	3
Basic Nutrition	3
*Motor Control and Learning	3
*Introduction to Biomechanics	3
*Exercise Physiology for Health Care Professionals:	4
*Health Behavior Theory and Practice	3
*Nutrition for Fitness	3
*Research Methods in HES	3
*Facility and Program Management in Wellness	3
*Human Disease and Epidemiology	3
*Exercise Prescription	3
*Exercise for Special Populations	3
*EKG Interpretation and Basic Pharmacology	3
*Applied Biomechanics	3
*Senior Seminar	3
*HES Senior Internship	6

TOTAL 66 CREDITS

Note: An * indicates the course has a prerequisite which requires a C- or higher.

Below is the “program guide” that describes the recommended sequencing of courses throughout the entire program

<https://drive.google.com/file/d/1QA0yi0k1bbZdr5dMSVbQJRVBjREfcPDk/view?usp=sharing>

11. Major Course Descriptions

FOUNDATIONS OF EXERCISE SCIENCE

(HES 00105)

3 semester hours (s.h.)

This course introduces students to the Exercise Science major. Students will thoroughly understand the policies and procedures within the major, careers in the field of exercise science, become familiar with key professional organizations, be introduced to resume writing and interview skills, participate in professional development experiences, be exposed to research opportunities, participate in professional site visits, along with preparation and application to graduate school (for those interested). Students will assess their career goals and create a plan to develop principles and characteristics that will improve their opportunities for success.

SAFETY, FIRST AID & BASIC UNDERSTANDING OF ATHLETIC INJURIES (HES 00116)

3 s.h.

This course is a lecture/laboratory experience that meets standards established by the American Red Cross. Topics include the theories behind the safety and prevention of common injuries and illnesses. The course focuses on first aid principles, along with the knowledge and skill development that can be of value to oneself as well as others. Successful completion of this course leads to certification in CPR as well as Standard First Aid and Personal Safety.

BASIC NUTRITION

(NUT 00200) 3 s.h.

Students study human nutrition through the basic knowledge of nutrients and the physiological processes involved in the utilization of food. They also develop an understanding of the ways in which age, health, social and economic factors affect nutritional needs and food practices. A computerized dietary analysis is one of the course requirements.

ESSENTIALS IN STRENGTH TRAINING

(HES 00201) 3 s.h.

(Prerequisites: C- or higher in BIOL 10210 and BIOL 10212)

Opportunity is provided for an individual study of developing and practicing safe and effective resistance training programs based on the fundamentals of anatomy, physiology and biomechanics. Students will learn basic training principles, appropriate exercise selection, exercise technique and programming while applying these skills in a gym setting. Students will professionally train each other using a variety of equipment gaining practice and confidence when training individuals.

MOTOR CONTROL AND LEARNING

(HES 00243) 3 s.h.

(Prerequisites: C- or higher in BIOL 10210 and BIOL 10212)

This course provides a thorough understanding of motor control and motor learning of human movement. Motor control deficiencies in people with neurological diseases will also be covered. Laboratory activities will be used to support the information learned in class.

INTRODUCTION TO BIOMECHANICS (HES 00346) 3 s.h.
(Prerequisites: C- or higher HES 00241 & HES 00242 or BIOL 10210 and BIOL 10210)

This course specifically prepares students with the knowledge and skills essential for working in clinical settings related to health and healthcare professions. It integrates the sciences of anatomy, physiology and physics as they contribute to developing the knowledge and skills pertinent to understanding human motion from a mechanical perspective. An introduction to biomechanical instrumentation (e.g., motion capture, force plates, etc.) will provide practical applications to address: functional movement assessment, kinetic and kinematic qualities of movement, gait analysis for healthy populations and selected pathological conditions, and corrective exercises for proper human movement.

RESEARCH METHODS in HES (HES 00301) 3 s.h.
(Prerequisite: C- or higher in STAT 02100)

The course details design and application of research methodology that considers cognitive, affective, and psychomotor performance as they relate to health and human performance. Published research, review of literature, methodology, research skills, scientific writing, and the interpretation of published research in the discipline will be included.

FACILITY AND PROGRAM MANAGEMENT IN WELLNESS (HPW 00360) 3 s.h.
(Prerequisites: C- or higher in HES 00105)

This course examines the skills necessary to effectively manage a health promotion facility and program through the study of the health and fitness facility management industry. Topics include training and managing staff, marketing programs and services, customer service, financial management, legal concerns, equipment selection and health and safety issues.

EXERCISE PHYSIOLOGY for Health Care Professionals (HES 00349) 4 s.h.
(Prerequisites: C- or higher in BIOL 10210 and BIOL 10210)

The course specifically prepares students with the knowledge and skills essential for working in clinical settings related to health and healthcare professions. This course intricately examines the interrelationship between physical activity and the consequential human physiological response. This course prepares students to assess the physiology of the human body during acute and chronic physical activity and as a result of the training & conditioning process. Laboratory experiences will allow students to apply theoretical concepts to the health and health care professions in the areas of cardiovascular, metabolic, neuromuscular, and pulmonary diseases, body composition, and exercise in thermal stress environments.

Advanced Exercise Physiology (HES 00350) 3 s.h.

This course is designed to examine signal transduction pathways related to exercise with an emphasis on how the acute effects of aerobic and resistance exercise lead to chronic adaptations. Additional topics include exercise and immune function, as well as exercise in extreme environments. Students will also be expected to apply their knowledge in exercise physiology to evaluate existing literature and to critically appraise common beliefs in the field of exercise science.

NUTRITION FOR FITNESS (NUT 00415) 3 s.h.
(Prerequisite: C- or higher in NUT 00200 AND BIOL 10210 and BIOL 10210)

This advanced nutrition course explores the relationship between nutrition, physical Wellness, performance and disease prevention. Specific topics include nutrition fraud, supplementation, ergogenic aids, diet planning for athletes and the relationship between nutrition and chronic diseases such as cancer and heart disease. In addition, students continue to develop their skills as nutrition counselors and educators.

HEALTH BEHAVIOR THEORY AND COUNSELING (HPW 00350) 3 s.h.
(Prerequisite: C- or higher in HES 00105)

This course examines the factors that influence an individual's choices and behaviors related to health and the process of motivating change within the individual to adapt healthful behaviors and discontinue unhealthy ones. Several theories of health behavior are examined and applied. The different roles of the client and educator are addressed as the student is prepared to counsel others in making positive health behavior changes.

HUMAN DISEASE AND EPIDEMIOLOGY (HES 00348) 3 s.h.
(Prerequisites: C- or higher in HES 00349)

This course examines the etiology, pathophysiology and epidemiology of diseases and conditions that are often seen by health and fitness professionals working with clients in human performance and exercise science settings. Included are cardiovascular disease, hypertension, asthma, Type 1 and Type 2 diabetes mellitus, overweight and obesity, osteoarthritis, rheumatoid arthritis, low back pain syndrome, and cancer. In addition, concerns specific to children, the elderly and in pregnancy are also addressed.

EXERCISE PRESCRIPTION (HES 00401) 3 s.h.
(Prerequisites: C- or higher in HES 00349)

This course provides students with knowledge and practical experience in exercise testing and prescription. This information enables students to establish scientific foundations of exercise testing and prescription, to identify the risk factors for disease development and to prescribe an exercise program based on exercise test results and personal limitations. Practical experience is provided for testing subjects in the laboratory.

EXERCISE FOR SPECIAL POPULATIONS (HES 00412) 3 s.h.
(Prerequisites: C- or higher in HES 00349)

This course provides a study of exercise considerations for special populations. It covers the basic concepts of the physiologic effects of exercise and the application of these concepts to special cases. Cases included are respiratory and cardiovascular diseases, hypertension, obesity, diabetes, arthritis, osteoporosis, pregnancy, childhood/adolescence, and the elderly.

APPLIED BIOMECHANICS (ATR 00347) 3 s.h.
Prerequisite(s): C- or higher in HES 00346)

This course provides students with a background in the biomechanical concepts and applications that describe and govern human movement. Topics of the course will include, but are not limited to: friction, linear and angular motion, tissue mechanical properties, conservation of energy, work and power, fluid mechanics, stability and center of gravity, walking and running gait analysis. These topics are taught by quantitatively analyzing human movements through the use of modern biomechanical analyses including motion capture, electromyography, and force plates.

EKG INTERPRETATION AND BASIC PHARMACOLOGY

(HES 00402) 3 s.h.

(Prerequisites: C- or higher in HES 00401)

This course provides a thorough understanding of EKG interpretation and basic pharmacology related to cardiac, pulmonary, and diabetic conditions for professionals in human performance and exercise science fields. Video streaming of EKG rhythms will provide students with practical experience. Case studies will be used to understand how medications are used to treat a variety of health issues and the influence of these medications on exercise prescription.

SENIOR SEMINAR

(HES 00413) 3 s.h.

(Prerequisites: C- or higher in HES 00401)

This application-oriented course is designed to review and assess the students' knowledge and skills which were developed throughout the Human Performance in Clinical Setting program. Students will progress through a series of online seminars reviewing the key concepts and skills learned in the program that are necessary for a career in the field of Human Performance in Clinical Settings. In addition, students will work in group settings to continue to practice and develop key skills necessary for their career.

SENIOR INTERNSHIP IN EXERCISE SCIENCE

(HES 00484) 6 s.h.

(Prerequisites: C- or higher in HES 00413)

Students complete a supervised senior internship enabling them to gain knowledge of clients and the function of a health, sport or wellness facility or program in the community. Placements are made in organizations selected on the basis of a student's needs, interests and program specialization.

****Please note: Students MUST earn a C- or higher in ALL Exercise Science major courses in order to begin their internship & MUST complete and have approved 40 professional development hours.**

11. Choosing a Minor: Benefits and Options

The Exercise Science major has enough electives to allow students to complete a minor. The benefit of pursuing a minor is that it provides an additional expertise in an area related to Exercise Science. This can make the student more "marketable" when finding a job or applying to graduate school. It can also help the student determine the direction in which he or she will pursue a career. Some suggested minors are described in this section.

Psychology of Sport and Exercise

This minor provides students with a sequence of courses to enhance knowledge in the field of psychology and performance in the sport and exercise environment. Achieving this minor will enhance awareness of general information regarding sports psychology, performance and exercise by focusing on theories, models and processes. Please see the link below for details.

<https://sites.rowan.edu/snhp/departments/hes/programs/undergrad/psychminor/>

Public Health and Wellness

Many professions in the health arena draw from practices learned from community health and public health. From prevention of chronic diseases to promotion of positive health behaviors, the Public Health

and Wellness Minor examines the issues facing communities today. The mission of Public Health and Wellness at its core is to improve the health of the individual and the community at large.

The Public Health and Wellness Minor is a good compliment to many majors including Health and Science Communication, Nutrition, Exercise Science, Disaster Science and Emergency Management and those seeking to further their education in the healthcare fields. Please see link below for courses and details. <https://sites.rowan.edu/snhp/departments/hes/programs/undergrad/community-health-minor.html>

Certificates of Undergraduate Studies (CUGS) are a sequence of courses that provide added knowledge, skills, and experiences that can benefit students entering their career. Please see the link below to learn more about CUGS. <https://sites.rowan.edu/snhp/departments/hes/programs/cugs/>

The following CUGS are offered through the Department of Health and Exercise Science

- Psychology of Sport and Exercise
- Spanish for Health Professionals
- Sport Management
- Adventure Leadership Education

Other areas in which minors or CUGS are offered include... (please see the Department's website)

Business Administration

The Minor in Business is a program of study serving two groups of students in non-business majors. The first group are those who wish to reinforce their employment credentials by taking several business courses. A Minor in Business provides students with a strong and credible program. Many large corporations recognize the importance of a strong background in the liberal arts and sciences. In addition, these corporations look for entry level business skills. The Minor in Business provides these skills. The second group of students are those who plan to do graduate work in Business. Many students find they can enhance their promotion opportunities with an advanced degree in Business. Some students choose the Minor in Business realizing that the minor contains courses which many colleges require for their MBA programs. Contact the College of Business at 856.256.4025 for more information.

Computer Science

Computer Science deals with data structures, algorithms, problem-solving techniques, programming languages, software engineering, and the architecture of modern digital computer systems. The rapid rise in computer usage has led to a corresponding increase in the need for people to work in computer related positions. The Minor in Computer Science will help students prepare to make effective use of computers in their careers. It is expected to be particularly attractive to students from engineering, business administration, education, the social sciences and the life and physical sciences. Contact the Computer Science Department at 856.256.4805 for more information.

Psychology

The Psychology minor is designed to allow students from other majors to choose courses that will further their career goals. HPCS students interested in counseling, stress management, mental health and/or health behavior change might particularly benefit from this minor. The psychology department at Rowan University offers a 21 credit hour minor in psychology. This program is designed for students desiring a substantial background in psychology while majoring in another field. The minor is designed to allow students the flexibility to choose courses that will further their career goals. Contact the Psychology Department at 856.256.4870 for more information.

Spanish

Spanish as a first or only language is increasing among the U.S. population. Fitness and health care professionals in certain geographical areas and/or working with Spanish-speaking populations will find it an asset to be able to speak Spanish. Fluency is also necessary for those interested in international careers. It provides a general background for future professional studies and advanced degrees in Spanish and/or work in a wide variety of fields, such as social, administrative, and governmental work, as well as international business. The Spanish Minor may be officially declared at the Foreign Languages and Literatures Department. Contact the Foreign Languages Department at 856.256.4070 for more information.

Dance

For students with an interest in group exercise as an area of expertise, the Dance minor can be beneficial. Learn more about movement, choreography, rhythm and music through these courses. Requirements include 18-24 semester hours of class, including Elements of Dance, and a selection of technique courses and theory courses. Contact the Theater and Dance Department, 856.256.4030 for more information.

Senior Internship in Exercise Science

12. What are my options for the internship?

Students are encouraged to carefully select a site based on their interests, needs, and future goals. Since there are a tremendous number of options available, the student should carefully consider what they want to gain from the experience prior to choosing a site. Students may choose a local or “distance” site in another state or country. Corporate, clinical, rehabilitation, hospital, and community sites are all acceptable if they meet basic guidelines described in the next section. Check with the senior internship coordinator, for a list and/or file of approved sites. New sites may be approved after being reviewed by the senior internship coordinator. See Mr. Cribbs for previously approved sites.

13. What is required for a site to be approved?

- A. The Site Supervisor must hold a **Master’s degree** in a health-related field and carry appropriate professional credentials.
- B. The site must be an established, professional organization, and provide a variety of relevant experiences for the student.
- C. The site Supervisor must agree to mentor the students on a daily basis, provide an opportunity for the student to design a major project, and complete two formal evaluations with the student.
- D. The site administrators must agree to comply with the specifications of the contract supplied by Rowan University, unless a special contract is provided and approved by Rowan.

14. When should I begin planning for my internship?

It is recommended that the student begin exploring potential sites and attend an internship informational meeting *one year prior* to the anticipated start date.

15. What am I required to do BEFORE the internship starts?

The student should begin by attending an information meeting and receive the Internship Handbook to learn the specific requirements. Rowan provides \$1 million in insurance to any student who is registered for the Rowan internship course. This is one of the reasons students MUST be registered for (and pay for) the Rowan Senior Internship course. A student CANNOT begin accruing hours until the senior internship coordinator has received the contract and verification of insurance.

The student should meet with the senior internship coordinator to discuss her/his plans and interests and make sure the site is approved. See Mr. Cribbs and or Mrs. Skidmore for the Field Placement Handbook for due dates of the contract, insurance verification and other required forms.

16. What am I required to do DURING the internship?

It is the STUDENT’S RESPONSIBILITY to maintain communication with the faculty advisor throughout the senior internship. This includes weekly logs, reports, evaluations, site visits and the final portfolio, which must be completed and turned in ON TIME.

Commonly-Asked Questions

17. Where can I find information on graduate school options?

Dr. Biren and other faculty would be happy to discuss your choices with you and help you make a decision. The Internet and Career and Academic Placement Center are also good resources along with the Office of Pre-Health Programs led by Dr. Keyona Gonzalez-Walker walkerk@rowan.edu

<https://sites.rowan.edu/academic-affairs/office-of-pre-health/>

18. Where can I find information on jobs during school and after graduation?

Dr. Biren and other faculty frequently hear of open positions and post them on the “HOOTBOARD” www.hootboard.com/healthprofessions They welcome contact from current and former students who are seeking jobs. Professional conferences are also good resources and frequently employers look for potential employees there.

19. Can I take courses at other colleges to satisfy the requirements?

Students may transfer in General Education courses as long as they meet the requirements established by the Health and Exercise Science Department and Rowan University. Students are required to complete all 300 and 400 level courses within the Exercise Science major at the Glassboro campus of Rowan University. However, they may appeal to allow a course to be transferred in by speaking with Dr. Biren.

20. Other useful telephone numbers on campus

Admissions	256-4200	Career and Academic Placement	256-4225
Financial Aid	256-4250	Rec Center	256-4900
Library	256-4800	Registrar	256-4350
Student Center/Info Desk	256-4601		

21. Student Resources

- Rowan Success Network

- The Rowan Success Network (RSN) powered by Starfish is a tool to enhance student success at Rowan by creating a better informed, more connected campus community. Students receive regular feedback from faculty, learn about campus resources, and make appointments with key academic support personnel. Faculty participate by providing encouragement and support to students; enabling advisors and staff to take a holistic approach to success by obtaining an overview of the student's academic life.
- <https://sites.rowan.edu/student-success/rsn/index.html>
- **Career Advancement Center**
 - “The mission of the Office of Career Advancement (OCA) is to engage students in the development and implementation of meaningful educational and career goals consistent with their personal values, interests, and abilities. To this end, the office team helps students and alumni create an effective framework for a lifetime of active career management through one-on-one counseling, workshops, recruitment programs, career fairs, job posting databases and by promoting strong partnerships with employers, academic departments, and the university community.”
 - <https://sites.rowan.edu/oca/>
- **Office of Accessibility Services**
 - Office of Accessibility Services provides accommodations and assistance to students with various documented disabilities in accordance with Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act (ADA) of 1990. Students who meet University admissions requirements (i.e., otherwise qualified to attend the University) are required to submit appropriate documentation so that the University can determine whether they qualify for reasonable accommodations.
 - The staff coordinate and ensure accessible classes, use of assistive technology, audiotaped books (when available), examination administration in cooperation with the instructor, as well as other services as deemed necessary.
 - <https://sites.rowan.edu/disabilityresources/>
- **Veteran Affairs**
 - Welcome to the Veterans Affairs Office at Rowan University. The Veterans Office at Rowan University is the liaison with the Regional Processing Office in Buffalo, New York, to assist veterans and dependents of veterans with their education benefits. The Veterans Affairs Office also provides programming and resources for the the campus community.
 - <https://sites.rowan.edu/veterans/>
- **Testing Resources**
 - Testing Services is located on the 3rd floor of Savitz Hall, within the Academic Success Center, and is part of the Student Success Team. The links below provide further information regarding specific services.
 - If you have any questions about the tests scheduled or administered by Testing Services, please email testingservices@rowan.edu or give us a call at 856-256-4263. Emails are answered promptly and calls will be returned as soon as testing activity allows.
- **Counseling and Psychological Services**
 - Counseling & Psychological Services at Rowan University provides quality counseling for a variety of concerns to promote the psychological wellbeing and personal growth of a diverse student body.
 - The CPS staff offers its services to faculty, staff and students regarding a wide range of

mental health issues impacting the campus community. Our staff provides confidential personal counseling and other psychological services free of charge to currently enrolled Rowan University students. The primary goal of CPS is to help students develop the necessary skills to overcome problems and experience personal growth to make the most of the educational opportunities at the university.

- <https://sites.rowan.edu/wellness/counseling/>
- **Wellness Center**
 - Provides support for those struggling with: depression that interferes with daily routine or excluding themselves from social activities; Lack of coping skills around day-to-day problems or intense reactions to certain situations; Extreme highs, irrational thoughts/behaviors, sleeplessness and compulsive behavior; Increased use of drugs or alcohol; Severe anxiety or stress; Constant feelings and expressions of sadness or hopelessness
 - <https://sites.rowan.edu/wellness/counseling/services/crisis.html>
- **Writing Center**
 - Welcome to the [Writing Center](#) at Rowan University! We are a group of experienced, friendly, and passionate tutors who want you to succeed throughout your academic career. We know the writing process can be tough, tiring-even scary. Hey, we're writers, too. We also know that with a little extra guidance, you'll be able to brainstorm ideas, overcome blockages, and learn useful skills to get that rough draft rolling. Whether you're an art major learning the ways of watercolor or an engineer-to-be, feel free to visit the Writing Center on the first floor of Campbell Library.
 - <https://ccca.rowan.edu/departments/writingArts/writingcenter.html>
- **Passport Program**
 - Get connected at Rowan University by attending events on campus! We encourage students to attend at least one event in each of five categories (Artistic, Athletic, Student Success, Academic Enrichment, and Community Engagement) each semester. You can find events on [ProfLink](#), the Rowan Daily Mail, [Facebook](#), [Twitter](#), [Instagram](#), or on bulletin boards all over campus!
- **Prof Cents**
 - Rowan University is committed to keeping the education experience affordable for every one of our students. We value and prioritize affordability and consider it a key element in achieving our goals. In fact, affordability is one of the [University's Four Strategic Pillars](#) that is focused on reducing student debt, limiting tuition increases, and enhancing internship and employment opportunities.
 - To help our students navigate some of the financial decisions they may encounter throughout their time here at Rowan, we have compiled numerous resources that could help keep life in college more affordable.
 - On this site you will find links to a variety of resources ranging from academic services and financial assistance to computer lab locations, free tax help, and cost-saving transportation alternatives.
 - The resources provided on this site are intended to help our students maintain an affordable lifestyle while simultaneously gaining a priceless life experience and education here at Rowan.
 - <https://sites.rowan.edu/student-success/profcents/>