

## **BACHELOR OF SCIENCE OF OCCUPATIONAL SCIENCE**

***Dr. Brandy Brown, Program Director***

### **Program Mission Statement**

The purpose of the Bachelor of Science of Occupational Science is to prepare students to view the world through an occupational lens. Students will gain a deep understanding of the science of occupation and the distinct value that occupation has in the day-to-day life of individuals, groups, and populations. Through occupational exploration, students will develop the skills to exhibit and promote productive work, community engagement, and enlightened living in the world in which they live.

### **Program Description**

The Bachelor of Science of Occupational Science (BSOS) is part of an accelerated bachelor's to master's degree program in occupational therapy. Students enrolling in the BSOS as incoming freshman will complete the first two years of pre-requisite course work then apply to continue to the third year of the program. If accepted students will complete another 1.5 years (3 semesters of courses) to obtain their bachelor's degree making total time to completion 3.5 years. Then, students will continue with graduate level coursework for their master's degree in occupational therapy.

### **Program Learning Outcomes**

Graduates with a Bachelor of Science in Occupational Science at the University of Charleston will:

1. Apply the constructs of occupational science to daily life to understand the occupations of humans, the need for those occupations, and the impact of participation or lack thereof on health and well-being.
2. Demonstrate a deep understanding of the relationship between occupational science and occupational therapy.
3. Promote the distinct value of occupation and the importance of meaningful occupational engagement for those with and without restrictions to enhance the overall health and well-being of persons and groups.
4. Analyze the constructs and contexts from the Occupational Therapy Practice Framework (OTPF) that promote and inhibit meaningful occupational engagement to identify the needs of persons and groups.
5. Demonstrate effective critical thinking skills to evaluate evidence, develop innovative practice ideas, use a variety of knowledge sources, and be intellectually flexible to meet the occupational demands of an ever-changing world.
6. Develop the clinical reasoning skills needed to design and provide services in various settings that are appropriate, effective, culturally sensitive, theory-driven, evidence-based, client-centered, and target meaningful occupations.

7. Assess through standardized and non-standardized means the well-being and occupational engagement of oneself and others to determine unmet occupational needs and develop plans for intervention that addresses these needs to promote health and well-being, remediation or restoration, health maintenance, disease and injury prevention, and compensation and adaptation for individuals, families, and groups.
8. Communicate effectively within various professional and community contexts to promote the distinct value of occupation in meeting the needs of others.
9. Develop a deep understanding of the various roles of the occupational therapy practitioner (mentor, educator, practitioner, manager, leader, advocate, consultant, and researcher) and how each can contribute to the field of occupational science.
10. Exhibit the skills needed to adequately self-reflect to increase self-awareness and self-efficacy for future professional development.
11. Obtain the knowledge and skills needed to maintain a commitment to moral purpose and personal character, provide services and supervision that are ethically sound, within the scope of practice of the profession, and rooted in the principles of occupational science.

### What You Will Study

The Bachelor of Science of Occupational Science degree program includes 120 credits of academic work, including 35 credits of prerequisites, and 6 credits of mathematics and statistics.

### Bachelor of Science of Occupational Science Curriculum

FIRST YEAR			
FALL SEMESTER		SPRING SEMESTER	
UNIV 104 College Motivation & Success	3	UNIV 105 Foundations of Character & Leadership	3
ENGL 101 Freshman Writing I	3	ENGL 102 Freshman Writing II	3
MATH 121 College Algebra	3	NSCI 220 Statistics in Science and Research	3
BIOL 130 Introductory Biology for Majors	3	PSYC 101 Introduction to Psychology	3
BIOL 130L Introductory Biology for Majors Lab	1	EXER 225 Medical Terminology in Exercise Science & Health Care	3
EXER 113 Structural Kinesiology	3	SPCH 103 Oral Communication Fundamentals	3
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## SECOND YEAR

FALL SEMESTER		SPRING SEMESTER	
PSYC 362 Abnormal Psychology	3	PSYC Elective (Recommend PSYC 359 Advanced Developmental Psychology)	3
SSCI 105 Issues in Social Science	3	PSYC Elective (Recommend PSYC 353 Physiological Psychology)	3
PSYC 212 Life-Span Development	3	PSYC Elective (Recommend PSYC 342 Social Psychology)	3
BIOL 251 Human Anatomy & Physiology for Majors I	3	BIOL 252 Human Anatomy & Physiology for Majors II	3
BIOL 251L Human Anatomy & Physiology for Majors I Lab	1	BIOL 252L Human Anatomy & Physiology for Majors II Lab	1
HUMN 110 Unheard Voices	3	HUMN Flex (Recommend ENGL 224 American Literature Survey II)	3
OCSC 300 Intro to Occupational Science	1		
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## THIRD YEAR

FALL SEMESTER		SPRING SEMESTER	
OCSC 303 Occupational Science: The Foundation of Occupational Therapy	1	OCSC 325 Ethics in Occupational Therapy Practice	2
OCSC 304 Applied Kinesiology: Movement & Occupational Engagement	1	OCSC 330 Introduction to Quantitative & Qualitative Research in Occupational Therapy	4
OCSC 304L Applied Kinesiology: Movement & Occupational Engagement Lab	1	OCSC 420 Evaluation of Occupational Engagement II	3
OCSC 310 Science of Occupation	3	OCSC 420L Evaluation of Occupational Engagement II Lab	1
OCSC 305 Analysis of Occupational Engagement	3	OCSC 321 Interventions and Occupational Engagement I	3
OCSC 305L Analysis of Occupational Engagement Lab	1	OCSC 321L Interventions and Occupational Engagement I Lab	1
OCSC 320 Evaluation of Occupational Engagement I	3	OCSC 398 Level I Fieldwork I	2
OCSC 320L Evaluation of Occupational Engagement I Lab	1		
BIOL 362 Advanced Anatomy – Musculoskeletal & Nervous System	4		
	<b>18</b>		<b>18</b>

<b>FOURTH YEAR</b>	
<b>FALL SEMESTER</b>	
OCSC 430 Evaluation of Occupational Engagement III	3
OCSC 430L Evaluation of Occupational Engagement III Lab	1
OCSC 421 Interventions and Occupational Engagement II	3
OCSC 421L Interventions and Occupational Engagement II Lab	1
OCSC 450 Clinical Reasoning I	3
OCSC 460 Role Exploration of the Occupational Therapist	2
OCSC 470 Undergraduate Research	1
OCSC 498 Level I Fieldwork II	2
OCSC 455 Capstone	2
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### **Admission Requirements**

Students must gain general admission to the University of Charleston to start the Bachelor of Science of Occupational Science program. To be admitted to the third year of the program students must apply to the Master of Science of Occupational Therapy (MSOT) program using the Occupational Therapy Centralized Application System (OTCAS). All students must complete the required pre-requisite courses with a pre-requisite GPA of 3.5 or higher and an overall GPA of 3.25 or higher to be considered for acceptance into the program. In addition, all students will be required to complete a brief video interview, written essay, and obtain two letters of recommendation (one from a former supervisor/coach who is not a relative and the other from a former, yet recent – within the past 6 months- instructor) as part of the application process. The application portal will open each Fall and students will be notified in early Spring of acceptance or denial. Students should apply the fall before they anticipate starting which is usually the start of the junior year for traditional students.

Pre-Requisite Course Requirements – No more than one of the following courses may have a grade of a “C”, grades lower than a “C” in any course will disqualify that course from counting towards the requirement:

- Statistics (3 credit hours)
- Biology with Lab (4 credit hours)
- Kinesiology (3 credit hours)
- Medical Terminology (2-3 credit hours)
- Introductory Psychology (3 credit hours)
- Sociology or Social Science (3 credit hours)
- Life-Span Development (3 credit hours)

- Abnormal Psychology (3 credit hours)
- Human Anatomy with Lab (4- 8 credit hours)

The Bachelor of Occupational Science is part of the entry-level occupational therapy master's degree program which has applied for accreditation by the Accreditation Council for Occupational Therapy Education (ACOTE) of the American Occupational Therapy Association (AOTA), located at 6116 Executive Boulevard, Suite 200, North Bethesda, MD 20852-4929. ACOTE's telephone number c/o AOTA is (301) 652-AOTA and its web address is [www.acoteonline.org](http://www.acoteonline.org). The program must be granted Candidacy Status, have a preaccreditation review, complete an on-site evaluation, and be granted Accreditation Status before its graduates will be eligible to sit for the national certification examination for the occupational therapist administered by the National Board for Certification in Occupational Therapy (NBCOT). After successful completion of this exam, the individual will be an Occupational Therapist, Registered (OTR). In addition, all states require licensure in order to practice; however, state licenses are usually based on the results of the NBCOT Certification Examination. Note that a felony conviction may affect a graduate's ability to sit for the NBCOT certification examination or attain state licensure.

### **Additional Requirements**

Students will be subject to mandatory and reasonable suspicion drug screenings throughout their duration in the program. Students will not be notified in advance of the screenings and will be responsible for the costs associated with the screenings. Students may also have to complete drug screenings or other requirements as required by their fieldwork site and will be responsible for those costs as well. Students who have a positive result on a drug screening or who refuse to take a mandatory, reasonable suspicion, or clinical site affiliated drug screen will be subject to disciplinary action which could include dismissal from the program.

Occupational Science majors must maintain an overall GPA of 3.25 or higher to progress through the program and successfully complete 120 credit hours to apply for graduation. Students must also meet all University of Charleston graduation requirements and must take and pass a comprehensive examination or its equivalent during the final semester of the program to graduate.