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Behavior Analysis and Therapy

The Bachelor of Science Program in Behavior Analysis and Therapy aims to prepare students to enter into careers in Behavior Analysis and Therapy. Students will be eligible for Bachelor's-level positions as Assistant Behavior Analysts, among a variety of other positions, working in a diverse range of human service agencies with a number of clinical populations. Students will also be competitive applicants for any of the U.S.'s graduate programs in Behavior Analysis.

Program Goals:

1. Graduates will be coursework eligible for national credentialing as Assistant Behavior Analysts (BCaBA), an employment position recognized in the state of Illinois.
2. Graduates will be extremely competitive for positions of employment at human service agencies serving individuals with intercultural disability, autism, traumatic brain injury, the elderly, and other clinical populations.
3. Graduates of the program interested in pursuing advanced degrees will be competitive for entry into one of the many masters programs in behavior analysis nation-wide (including the one in the Rehabilitation Institute at SIU, which is internationally recognized as the first graduate training program in the U.S., and is accredited by the Association of Behavior Analysis International).

Bachelor of Science (B.S.) in Behavior Analysis and Therapy Degree Requirements

Degree Requirements	Credit Hours
University Core Curriculum Requirements - (Required PSYC 102, PLB 115 or ZOOL 115, REHB 205)	39
Requirements for Major in Behavior Analysis and Therapy:	
BAT 200; BAT 312; BAT 406; BAT 430; BAT 433; BAT 440; BAT 441; BAT 445H; BAT 452; BAT 474; BAT 493; BAT 495; BAT 496; PSYC 211	44
Approved Electives: (6 hours at 300-400 level)	37
Total	120

Behavior Analysis and Therapy Courses

BAT200 - Skeptical Thinking This class will introduce students to common errors in thinking about many myths in society today. Students will be introduced to scientific thinking, and will learn to apply it to the study of everyday curiosities in the world around them. Students will also be introduced to the distinction

between science, pseudoscience, and anti-science, particularly as it relates to the treatment of a variety of behavioral disorders. Credit Hours: 3

BAT312 - Applied Behavior Analysis I This course will provide students with an introduction to the principles of the science of behavior known as behavior analysis. The philosophical system known as behaviorism that underlies this area of study will be explored, as will the application of behavioral principles to a number of areas of social life. Credit Hours: 3

BAT406 - Applied Behavior Analysis II This course is an advanced survey of basic and applied research related to the principles and procedures in behavior analysis. As the second part of the ABA courses, this course serves to extend student's understanding of the principles of respondent and operant conditioning through exposure to basic research and demonstrations of interventions across diverse populations and settings. Prerequisite: REHB 312 with a minimum grade of C. Credit Hours: 3

BAT430 - Behavior Therapy This course will trace the history of behavior therapy from early days where aversive and punishment procedures were instated to modern day positive-based interventions. Various therapeutic approaches will be covered including behavioral relaxation training, functional analytic psychotherapy, acceptance therapy and positive/mindful therapies. Prerequisite: BAT 312, BAT 406 with minimum grades of C. Credit Hours: 3

BAT433 - Applied Behavior Analysis with Pediatric Populations This course provides students with knowledge related to the application of behavior analytic approaches to assessment and treatment of many childhood behavior problems. Topics covered will include assessment and treatment of problem behavior exhibited in school and home settings displayed by typically-functioning individuals, as well as individuals with a variety of developmental disorders. Prerequisite: BAT 312, BAT 406. Credit Hours: 3

BAT440 - Ethics in Behavior Analysis & Therapy This course focuses on ethical conduct within the field of behavior analysis, and emphasizes problem-solving strategies to assist practitioners in resolving ethical dilemmas that may come about in the delivery of behavioral services. The course will provide an interpretation of the Behavior Analyst Certification Board guidelines for ethical conduct. Credit Hours: 3

BAT441 - Assessment & Measurement This course will provide an overview of behavioral observation methods, including approaches for monitoring and recording behavior over the course of behavior analytic services. Issues of reliability and validity will also be examined. Prerequisite: BAT 312. Credit Hours: 3

BAT445H - Autism and Intellectual Disabilities This class introduces students to the variety of intellectual disabilities found within our society. Topics will range from how genetic mutations can result in life long disabilities, as well as how unknown factors produce disorders such as autism. Students will learn about diagnoses, assessment and treatment for a variety of disorders and how to manage such disabilities throughout the lifespan. Credit Hours: 3

BAT452 - Behavior Analytic Approaches to Individualized Service Planning This course provides students with the skills to develop and evaluate service plans for individuals receiving community education, rehabilitation, and other services from a behavior analytic perspective. Topics covered include person-centered assessment, functional community based training, individualized assessment, and written treatment plans. Prerequisite: BAT 312; BAT 406 with minimum grades of C. Credit Hours: 3

BAT474 - Performance Management This course focuses on the application of behavior analysis within organizations. Using the principles of behavioral science, students will learn how to manage employee behavior, develop organizational goals and objectives, track performance of work teams, and provide objective measures of compensation. Topics will include program evaluation, motivation, performance reviews, and emerging trends in organizational design. Prerequisite: BAT 312; BAT 406 with minimum grades of C. Credit Hours: 3

BAT493 - Single-Case Research Methodology This course will provide students with the skills necessary to act as critical consumers of intervention research. It will also provide students with the analytical skills necessary to apply the logic of single-case research methodology to their work with the consumer. Emphasized will be the critique and interpretation of published research, as well as the writing competencies required for a student to successfully prepare a research paper. Prerequisite: BAT 312 and simultaneous enrollment in or prior completion of BAT 406. Credit Hours: 3

BAT495 - Practicum Application of behavioral analytic principles to clinical settings, cooperatively guided by Behavior Analysis and Therapy program faculty and human service agency staff. Prerequisite: BAT 312, BAT 406, BAT 440 with minimum grades of C. Credit Hours: 3

BAT496 - Practicum II Additional application of behavioral analytic principles to clinical settings, cooperatively guided by Behavior Analysis and Therapy program faculty and human service agency staff. Prerequisites: BAT 312; BAT 406; BAT 440; BAT 441; BAT 495 with minimum grades of C. Credit Hours: 3

Behavior Analysis and Therapy Faculty

Baires, Natalia, Clinical Assistant Professor, BAT, Ph.D., Southern Illinois University Carbondale, 2020; 2020. Relational frame theory; acceptance and commitment training; cultural responsiveness for linguistically diverse individuals.

Enoch, M. Rachel, Clinical Assistant Professor & Online Program Dir., BAT, Ph.D., Southern Illinois University Carbondale, 2015; 2015. Rehabilitation therapy.

Koch, D. Shane, Professor, Rehabilitation, Rh.D., Southern Illinois University Carbondale, 1999; 2005. Rehabilitation counseling: alcohol, drugs, and disability.

McLean, Deija, Clinical Assistant Professor, BAT, Ph.D., University of Missouri, 2020; 2020. Ethics in BAT; treatment of challenging behaviors; diagnostic assessment of Autism Spectrum Disorder; caregiver training of behavior reduction programs.

Redner, Ryan N., Associate Professor & Program Director, BAT, Ph.D., Western Michigan University, 2012; 2015. Tobacco regulatory science; cell phone use in the classroom; healthy eating and exercise; behavioral economics.

Emeriti Faculty

Cuvo, Anthony J., Professor, Emeritus, Ph.D., University of Connecticut, 1973; 1973.

Davis, Paula K., Professor, Emerita, Ph.D., Southern Illinois University Carbondale, 1989; 1995.

Poppen, Roger L., Professor, Emeritus, Ph.D., Stanford University, 1968; 1970.

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Catalog Year Statement:

Students starting their collegiate training during the period of time covered by this catalog (see bottom of this page) are subject to the curricular requirements as specified herein. The requirements herein will extend for a seven calendar-year period from the date of entry for baccalaureate programs and three years for associate programs. Should the University change the course requirements contained herein subsequently, students are assured that necessary adjustments will be made so that no additional time is required of them.