Behavior Analysis and Therapy

The Bachelor of Science Program in Behavior Analysis and Therapy aims to prepare students to enter careers in Behavior Analysis and Therapy. Students will be eligible for Bachelors-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 SIUC, 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 Degree in Behavior Analysis and Therapy

<table>
<thead>
<tr>
<th>Degree Requirements</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>University Core Curriculum Requirements</td>
<td>41</td>
</tr>
<tr>
<td>Requirements for Major in Behavior Analysis and Therapy: Behavior Analysis and Therapy 200- and 300-Level</td>
<td>6</td>
</tr>
<tr>
<td>BAT 200; BAT 312 BAT 400-Level</td>
<td>30</td>
</tr>
<tr>
<td>BAT 406; BAT 430; BAT 433; BAT 440; BAT 441; BAT 445H; BAT 452; BAT 474; BAT 495 PSYC 100 and 200 Level</td>
<td>7</td>
</tr>
<tr>
<td>PSYC 102 (counted in UCC); PLB 211</td>
<td>3</td>
</tr>
<tr>
<td>PLB 115/ZOOL 115 (counted in UCC) Required Credits (48 minimum requirement)</td>
<td>49</td>
</tr>
<tr>
<td>Electives by Advisement: (6 hrs @ 300-400 level)</td>
<td>36</td>
</tr>
<tr>
<td>Total</td>
<td>120</td>
</tr>
</tbody>
</table>
Behavior Analysis and Therapy Courses

**BAT200 - Skeptical Thinking** 200-3 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.

**BAT312 - Applied Behavior Analysis I** 312-3 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.

**BAT406 - Applied Behavior Analysis II** 406-3 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.

**BAT430 - Behavior Therapy** 430-3 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.

**BAT433 - Applied Behavior Analysis with Pediatric Populn** 433-3 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.

**BAT440 - Ethics in BAT** 440-3 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.

**BAT441 - Assessment & Measurement** 441-3 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.

**BAT445H - Autism/Intellect Disabilities** 445H-3 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.

**BAT452 - Behavior Analytic Appr to ISP** 452-3 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.

**BAT474 - Performance Management** 474-3 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.

**BAT493 - Single-Case Research Methods** 493-3 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.

**BAT495 - Practicum** 495-3 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.

**BAT503 - Basic Behavior Analysis** 503-3 Basic Behavior Analysis. Philosophy, terminology, and basic methodology of experimental and applied behavior analysis. Focuses on a variety of operant and respondent conditioning procedures for shaping new behaviors and modifying established behaviors. Special approval needed from the instructor.

**BAT505 - Behavioral Gerontology** 505-3 Behavioral Gerontology. This course examines the application of behavioral principles to problems associated with aging such as deficits in the activities of daily living and social skills, wandering, aggression, incontinence, depression and anxiety, and dementia among others. Environmental redesign and alternative performance strategies will also be addressed. Behavioral training and supervision of staff members who work with older individuals is also presented. Special approval needed from the instructor.

**BAT507 - Behavior Consult & Management** 507-3 Behavior Consultation and Management. Focus on the behavior analysis techniques needed for use in organizational and consultation settings. The fundamentals for developing effective consulting relationships are presented. Skills for becoming a behavior analytic consultant in clinical settings such as schools, developmental disability facilities, and managed care environments are presented. Additional behavior analytic consultant skills will be taught for effective practice of organizational behavior management in business and industry settings. Prerequisite: BAT 503.

**BAT508 - Complex Behavior Analysis** 508-3 Complex Behavior Analysis. Experimental analysis of procedures that result in acquisition, maintenance, and attenuation of complex individual and social behavior. Special approval needed from the instructor.

**BAT509A - Single Subj Exp Designs** 509A-3 Behavior Analysis Research Designs-Single Subject Experimental Designs. Focuses on behavior analysis research design and methodology. Three semester hours will be granted for each unit. Special approval needed from the instructor.

**BAT509B - Group Experimental Designs** 509B-3 Behavior Analysis Research Designs-Group Experimental Designs. Focuses on behavior analysis research design and methodology. Three semester hours will be granted for each unit. Special approval needed from the instructor.

**BAT511 - Functional Analysis-Autism** 511-3 Functional Analysis and Interventions-Autism. This course will survey research on the assessment and treatment of challenging behavior for individuals with autism. Defining characteristic, procedural variations, and strengths and limitations of the three general approaches to functional assessment will be reviewed. In addition, emphasis will be placed on strategies for using functional assessment information in the design of interventions to reduce challenging behavior. Prerequisite: BAT 503 or consent of instructor.

**BAT512 - Legal and Ethical Issues** 512-3 Legal and Ethical Issues in Behavior Analysis. Focuses on federal and state legislation, litigation, policies, guidelines, and other forms of legal and ethical control of the professional practice of behavior analysis and therapy. Implications for research and service will be discussed. Special approval needed from the instructor.
BAT515 - Apps to Medical Problems 515-3 Behavioral Applications to Medical Problems. Examines the use of behavior change procedures and applied behavior analysis in the treatment and rehabilitation of medically related problems such as obesity, alcoholism, headaches, hypertension and cerebral palsy; also, compliance to medical regimens, e.g., diabetes, dental hygiene, exercise; and promotes the utilization of health facilities and community health programs. Issues in training medical personnel to disseminate behavior change programs are also covered. Prerequisite: BAT 503 or consent of instructor.

BAT535 - Behavioral Observation Methods 535-3 Behavioral Observation Methods. Behavioral targeting, observational recording techniques, and issues of validity and reliability of measurement relevant to rehabilitation will be examined. Prerequisite: previous or concurrent enrollment in either BAT 452 or BAT 503 or consent of instructor.

BAT543 - Child Behavior 543-3 Child Behavior. A systematic analysis of child behavior. Included is an examination of popular books on child rearing. Emphasizes approaches for remediation of behavior disorders. Special approval needed from the instructor.

BAT545 - Behavior in Dev Disabilities 545-3 Behavior Analysis in Developmental Disabilities. Consideration of behavioral principles as applied in the development of responsive behavior in persons with developmental disabilities. Special approval needed from the instructor.

BAT557A - Self Regulation: Self-Control 557A-3 Self-Regulation of Behavior: Self-Control. The course provides a thorough review of self-control techniques and their application to habit disorders such as smoking, eating, exercise, time-management and nervous habits. Special approval needed from the instructor.

BAT557B - Self-Regulation: Biofeedback 557B-3 Self-Regulation of Behavior: Biofeedback. The course provides a comprehensive review of experimental and clinical studies of biofeedback. It concentrates on stress related disorders and provides supervised laboratory experience. Special approval needed from the instructor.

BAT563 - Community Applications 563-3 Behavioral Analysis: Community Applications. All aspects of behavior analysis applications in the community are examined including historical development, the "state of the art", practical issues and obstacles to conducting behavioral analysis/community research; future trends and directions. Prerequisite: BAT 503 or consent of instructor.

BAT567 - Behavioral Theories-Addiction 567-3 Behavioral Theories of Addiction. Focus on the behavior analysis techniques needed for use in the diagnosis and treatment of various addictions. The fundamentals of scientific behavioral research in addiction are presented along with current effective treatment strategies that promote behavior change. Skills will be developed for becoming a behavior analytic addiction researcher or treatment provider in clinical settings serving persons with gambling and other addictions.

BAT574 - Staff Training & Development 574-3 Staff Training and Development. This course prepares the student to design, implement, and supervise an institutional program to train staff in methods of direct service to the institution's clients. Each student will actually design and submit a program through simulation. Lecture/workshop format.

BAT575 - Applications of BA 575-3 Practical Applications of Behavior Analysis. This course teaches students to identify, employ, and evaluate behavior analytic procedures in applied settings. Additional skills emphasized are those which enable students to communicate effectively with others involved in treatment planning and implementation. Lecture/workshop format.

BAT584 - Seminar in BAT 584-1 to 6 (1 to 3 per semester) Seminar in Behavior Analysis and Therapy. Special topics and new developments in modifying human behavior. Special approval needed from the instructor.

BAT591 - Independent Projects in BAT 591-1 to 18 Independent Projects in Behavior Analysis and Therapy. Systematic readings and development of individual projects in pertinent behavior analysis areas. No more than six hours may be counted toward the Master's degree. Special approval needed from the instructor.
BAT593 - Research in BAT 593-1 to 18 Research in Behavior Analysis and Therapy. Systematic investigation of factors and procedures relevant to behavior analysis. No more than six hours may be counted toward the Master's degree. Special approval needed from the instructor.

BAT594 - Practicum in BAT 594-1 to 12 Practicum in Behavior Analysis and Therapy. Supervised experiences in behavior analysis and therapy. Application of behavioral analysis/methods in human treatment and in management. Restricted to admission to the specific degree program.

BAT595 - Internship in BAT 595-1 to 12 Internship in Behavior Analysis and Therapy. Extended practice in Behavior Analysis settings cooperatively guided and supervised by agency staff and university faculty. Graded S/U only. Prerequisite: BAT 594 with a grade of B or better. Special approval needed from the department.

BAT599 - Thesis 599-1 to 6 Thesis. Special approval needed from the instructor.

BAT601 - Continuing Enrollment 601-1 per semester Continuing Enrollment. For those graduate students who have not finished their degree programs and who are in the process of working on their dissertation, thesis, or research paper. The student must have completed a minimum of 24 hours of dissertation research, or the minimum thesis or research hours before being eligible to register for this course. Concurrent enrollment in any other course is not permitted. Graded S/U or DEF only.

Last updated: 01/12/2017

Southern Illinois University
Carbondale, IL 62901
Phone: (618) 453-2121

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.