

Psychology

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Cognitive development

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Social psychology

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Learning, verbal behavior, behavior analysis

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Pediatric behavioral medicine

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Kenneth I. Maton
Community psychology

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Physiological psychology

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Child clinical

David Schultz
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Applied Behavior Analysis

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LECTURERS

Diane Alonso, Program Director, Shady Grove

Eileen O'Brien

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Alan Bellack
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UMBC's Department of Psychology provides an exceptional opportunity for students to see how basic laboratory research can be translated into treatments, interventions and policies that improve the quality of life. Interested undergraduates work with internationally recognized researchers at the cutting edge of science. In recent years, students have participated in studies of such issues as the neurological basis of laughter and yawning, how rats and people regulate eating, how infants "bond" with their parents, how non-human species learn complex tasks, the relations between behavior and heart disease, and what society can do to foster the social and academic success of disadvantaged youth. Psychology is an exciting discipline; at UMBC, undergraduates can share in that excitement.

Career and Academic Paths

The psychology major provides a firm foundation for students interested in graduate study and a range of careers and professions. Positions held by program graduates include clinical psychologist, counseling psychologist, school psychologist, industrial psychologist, research consultant, personnel administrator, university professor, social worker, lawyer, physician, dentist, optometrist, and early-education or elementary school teacher. Each year, many of UMBC's graduating seniors go on directly to graduate programs in psychology (M.A., Ph.D. and Psy.D.) and in related fields such as social work (M.S.W.). Many are admitted to some of the most highly rated programs in the United States. Students interested in pursuing graduate study should consult with their academic advisor upon declaring their major. UMBC offers doctoral programs in applied developmental psychology and human-services psychology, including behavioral medicine, clinical psychology and community-social psychology.

Academic Advising

All new freshmen, transfers and recently declared majors should meet with the department's academic advisor, Debbie Wolff Sanford (410-455-2366, MP 321), their first semester of registration. Sanford also will assist students with a psychology minor and those students who may be considering psychology as a major. Additionally, she is available to answer questions about university requirements (such as academic policies, registration concerns and General Foundation Requirements), academic support, transfer concerns, research opportunities and career options.

Each student is assigned a faculty advisor after his or her first semester as a psychology major. Students with interests in a specific area of psychology (e.g., biopsychology) may request that a particular faculty member be assigned as their advisor.

The departmental advising process is designed to give each student individual attention and guidance about curricular choices.

All students must meet with an advisor at least once per semester. Advising appointments can be made by signing up outside the advisor's office. Please arrive on time with a transcript and any other relevant paperwork.

Major Programs

Requirements for the Bachelor of Science (B.S.) in Psychology

The B.S. in Psychology will consist of 69 credits distributed as follows:

A. General requirements (21 credits)

PSYC 100
Introduction to Psychology [4]

PSYC 331
Experimental Psychology I [4]

PSYC 332
Experimental Psychology II [4]

PSYC 210
Psychology of Learning [3]

PSYC 335
Physiological Psychology [3]

PSYC 370
Sensation and Perception [3]

B. General requirements (6 credits)

Choose two of the following:

PSYC 200
Developmental Psychology [3]

PSYC 285
Abnormal Psychology [3]

PSYC 340
Social Psychology [3]

PSYC 380
Personality [3]

C. Approved electives in Psychology (12 credits)

Additional upper-level PSYC courses:

At least three PSYC credits at the 400-level. May not use PSYC 340, 380 or 306. May use either PSYC 317 or PSYC 360

May also use one of the following BIOL courses:

BIOL 303 [3], BIOL 305 [3],
BIOL 442 [3], BIOL 451 [4],
BIOL 453 [4], BIOL 454 [4],
BIOL 466 [4], BIOL 483 [4]

D. Research experience, via one or more of the following options (for a total of 6 credits):

PSYC 397
Research Experience

PSYC 490
Independent Research

PSYC 498-499
Honors Thesis

E. Interdisciplinary coursework requirements (24 credits):

BIOL 100
Concepts of Biology [4]
AND
100L [2]

BIOL 301
Ecology and Evolution [3]

BIOL 302
Genetics [4]

MATH 150
Pre-calculus [4]

CHEM 101
Principles of Chemistry I [4]
AND
CHEM 102
Principles of Chemistry II [3]

OR

CHEM 123
Introduction to General Organic and Biochemistry I [4]
AND
CHEM 124
Introduction to General Organic and Biochemistry II [3]

Requirements for the Bachelor of Arts (B.A.) in Psychology

The B.A. in Psychology will consist of at least 33 credits distributed as follows:

A. General requirements (12 credits)

PSYC 100
Introduction to Psychology [4]

PSYC 331
Experimental Psychology: Design and Analysis I [4]

PSYC 332
Experimental Psychology: Design and Analysis II [4]

B. Distribution requirements (12 credits)

Two courses each from:

Group I

PSYC 210
Psychology of Learning [3]

PSYC 335
Physiological Psychology [3]

PSYC 317
Cognitive Psychology [3]

PSYC 360
Psychology of Motivation [3]

PSYC 370
Sensation and Perception [3]

Group II

PSYC 200
Developmental Psychology [3]

PSYC 285
Abnormal Psychology [3]

PSYC 340
Social Psychology [3]

PSYC 380
Personality [3]

C. Approved electives in psychology (9 credits)

At least nine credits at the 300 and 400 levels, other than PSYC 306, and the courses listed under Group I and Group II in the distribution requirements. At least three credits in psychology must be at the 400 level. Students double majoring in PSYC and SOWK may apply up to three credits of approved 300-level courses in the program (e.g., SOWK 388) to fulfill the approved electives requirement in psychology. Students who are double majoring in PSYC and SOCY may use one of the following SOCY courses in place of one of the PSYC 300-level electives: SOCY 332, 333, 341, 351, 353, 355, 357, 430, 451, 458; ANTH 312, 314

No course in which a student earns a grade below "C" may count toward the major. Psychology majors must complete at least 16 credits in psychology at UMBC, unless an exemption is granted by the Department of Psychology Undergraduate Studies Committee. Psychology majors are urged to take PSYC 331-332 in the sophomore or junior year; PSYC 332 is a prerequisite for 400-level electives. All qualified psychology majors are offered the opportunity to do independent laboratory, library or field research; students should check course descriptions for PSYC 397 and PSYC 490. This work must have advance approval from a member of the faculty.

II. Majors With Areas of Concentration

The psychology department also offers the following specialized curricula, or areas of concentration:

- ▶ Personnel and Industrial Psychology
- ▶ Biopsychology
- ▶ Developmental Psychology
- ▶ Human Services Psychology

These specialized curricula are designed to prepare students interested in bachelor-level careers with skills that can enhance their occupational opportunities and provide students broad, yet in-depth training for advanced studies in these and allied areas.

Personnel and Industrial Psychology Concentration

Minimum credits for the concentration: 57

This concentration fulfills the requirements for the **Certificate in Personnel and Industrial Psychology**.

A. Conceptual core (28 credits)

ECON 101
Principles of
Microeconomics

ECON 102
Principles of
Macroeconomics

PSYC 100
Introduction to Psychology

PSYC 210
Psychology of Learning

PSYC 340
Social Psychology

PSYC 380
Personality

PSYC 446
Industrial/Organizational
Psychology

ECAD 310
Human-Resource
Management

ECAD 489
Seminar in Management
and Administration

B. Skills core (23 credits)

PSYC 324
Introduction to
Interviewing Techniques

PSYC 331*
Experimental Psychology:
Design and Analysis I

PSYC 332*
Experimental Psychology:
Design and Analysis II

PSYC 320
Psychological Assessment

EDUC 471
Principles of Training
and Development

ENGL 391
Intermediate Exposition
OR
ENGL 393
Technical Writing

IS 201
Introduction to Computer-
Based Systems

OR
IS 295
Introduction to
Applications Programming
OR
CMSC 100
Introduction to Computers
and Programming

***OR** an approved equivalent for students not majoring in psychology (e.g., SOCY 300 and 301, or MATH 151 and ECON 320, or GEOG 300 and 301).

Students majoring in psychology (B.A.) and completing the certificate should note that only one Group I course (PSYC 210) is included among the requirements; a second Group I course must be selected.

C. Elective (3 credits)

AFST 271
Introduction to
Community Involvement

ECAD 360
Business Law

ECAD 385
Law, Business,
Ethics and Society

ECAD 425
Marketing

ECON 352
Industrial Relations

GEOG 330
Location of
Economic Activity

GEOG 435
Geography of Manufacturing

IS 300
Introduction to
Management Science

IS 303
Human Factors in
Computer System Design

IS 440
Office Automation

POLI 354
Public Management
and Personnel Systems

POLI 432
Civil Rights

PSYC 387
Community Psychology

SOCY 310
Organizational Theory
and Management

SOCY 360
Sociology of Work

SOCY 365
Sociology of the Labor
Force and Occupations

SOCY 432
Work and Retirement

SOWK 395
Alcohol Problems
and Alcoholism

Students in the certificate program are urged to seek internships, cooperative education and other applied experiences relevant to their interests in personnel and industrial psychology.

The Shriver Center can provide guidance in locating appropriate placements. The Department of Psychology offers PSYC 398 Applied Psychology Internship and PSYC 399 Cooperative Education in Psychology as a means of integrating the work at the placement site with academic work at UMBC.

Biopsychology Concentration

Minimum credits for the concentration: 42

A. Major requirements for B.A. (must include PSYC 335) or B.S. degree

Note: Core and elective courses for the concentration may be used to fulfill the psychology requirements.

B. Biology area of concentration requirements;

BIOL 100
Concepts of Biology

BIOL 100L
Concepts of Biology Lab

BIOL 301
Evolution and Ecology

BIOL 302
Molecular and
General Genetics

C. Upper-level electives (9 credits)

One upper-level elective must be from the following:

PSYC 355, PSYC 356, PSYC 375, PSYC 385, PSYC 390, PSYC 435*, PSYC 448*, PSYC 450*, PSYC 463*, PSYC 470*, PSYC 490*, PSYC 498H*, PSYC 499H* (honors with advisor approval).

May substitute one of the following as electives: BIOL 303, BIOL 305, BIOL 442, BIOL 451, BIOL 453, BIOL 454, BIOL 466.

*Counts as 400-level PSYC elective.

Developmental Psychology Concentration

A. Major requirements for the B.A. or B.S. degree.

Note: Core and elective courses for the concentration may be used to fulfill the psychology requirements.

B. Required core courses:

PSYC 200
Developmental Psychology

PSYC 210
Psychology of Learning

PSYC 304
Adolescent Psychology

PSYC 320
Psychological Assessment

PSYC 330
Child Development
and Culture

PSYC 407
Advanced Child Psychology

**C. Research/internship
requirement**

PSYC 397
Research Experience

OR

PSYC 398
Internship

OR

PSYC 490
Independent Research

OR

A student teaching in
an education program.

Three-credit minimum,
approved by advisor.

D. Electives: (any two)

PSYC 205
Before We Were Born

PSYC 305
The Exceptional Child

PSYC 307
Psychology of Aging

PSYC 308
Child Maltreatment

PSYC 357
Psychology of Women

PSYC 382
Child and Adolescent
Psychopathology

PSYC 393
Special Topics
(with advisor's approval)

PSYC 400
Seminar in
Developmental Psychology

PSYC 409
Intellectual Development
and Education

PSYC 448
Developmental
Neuroscience

**Human Services
Psychology Concentration**

**A. Major requirements for the
B.A. or B.S. degree.**

Note: Core and elective
courses for the concentration
may be used to fulfill the psy-
chology requirements.

B. Required core courses:

PSYC 210
The Psychology of Learning

PSYC 285
Abnormal Psychology

PSYC 320
Psychological Assessment

PSYC 335
Physiological Psychology

PSYC 340
Social Psychology

OR

PSYC 380
Personality

**C. Research/internship
requirement**

Three-credit minimum,
approved by advisor

PSYC 397
Research Experience

OR

PSYC 398
Internship

PSYC 399
Cooperative Education in
Psychology

OR

PSYC 490
Independent Research

OR

Field Instruction

SOWK 480

**D. Electives: Populations
(two required):**

PSYC 304
Adolescent Psychology

PSYC 305
The Exceptional Child

PSYC 307
The Psychology of Aging

PSYC 356
The Psychology
of Sex Differences

OR

PSYC 357
Psychology of Women

PSYC 382
Child/Adolescent
Psychopathology

Appropriate seminar (with advi-
sor approval)

**E. Electives: Social topics
(one required)**

PSYC 308
Child Maltreatment

PSYC 324
Introduction to
Interviewing Techniques

PSYC 342
The Psychology of
Aggression and
Antisocial Behavior

PSYC 387
Community Psychology

PSYC 406
Advanced
Behavior Pathology

Appropriate seminar
(with advisor approval)

**F. Electives: Health topics
(one required):**

PSYC 385
Health Psychology

PSYC 390
Neuropsychopharmacology

PSYC 463
Eating: Normal
and Abnormal

Appropriate seminar (with advi-
sor approval)

**G. Electives: Social Context
(one required):**

ANTH 314
Psychological Anthropology

PSYC 230
Psychology and Culture

SOCY 201
Social Problems
in American Society

SOCY 210
Class and Inequality
in the United States

SOCY 220
Urban Sociology

SOCY 321
Race and Ethnic Relations

SOCY 341
The Social Psychology of
Social Problems

As an alternative to the
human-services psychology
concentration, students inter-
ested in a bachelor degree-
level career in human services
may want to consider a dual-
major in psychology and social
work. A flyer detailing the dual-
major requirements is avail-
able in the departmental
office.

Minor Program

Students not choosing to
major in psychology may, nev-
ertheless, find a background
in psychology useful and
important. Such students may
choose a minor in psychology.
Students interested in psychol-
ogy as a minor should consult
the department advisor, Deb-
bie Wolff Sanford (room 321),
in choosing their courses.

**Requirements for the
Minor in Psychology:**

The minor in psychology will
consist of a minimum of 19
credits.

**A. PSYC 100
Introduction to Psychology [4]**

**B. Two courses each from:
Group I [6]**

PSYC 210
Psychology of Learning

PSYC 335
Physiological Psychology

PSYC 317
Cognitive Psychology

PSYC 360
Psychology of Motivation

PSYC 370
Sensation and Perception

Group II [6]

PSYC 200
Developmental Psychology

PSYC 285
Abnormal Psychology

PSYC 340
Social Psychology

PSYC 380
Personality

C. An upper-level psychology course (except 306) [3]

No course in which a student earns a grade below "C" may count toward the minor. Psychology minors must complete at least nine credits in psychology at UMBC.

Honors Program

The departmental honors program is open to qualified students who wish to pursue advanced independent research in psychology. Students interested in going to graduate school in psychology are particularly encouraged to become honors candidates because research experience is given considerable weight by admissions committees. Students who complete the honors sequence of courses (PSYC 498 and PSYC 499) and have a GPA in psychology of 3.5 or above are eligible to receive the B.A. or B.S. degree with departmental honors.

The Shady Grove Center

The UMBC psychology department is represented at the Shady Grove Center, an off-site location in Montgomery County that is home to seven of the 11 institutions from the University System of Maryland (USM). The UMBC Psychology program at Shady Grove is intended to provide junior- and senior-level classes to students in Montgomery County who have transferred to the program from either a two-year or four-year institution. The program is equivalent in course material and content to the program at the home campus, and all psychology students, upon graduation, receive a B.A. in Psychology from UMBC. For more informa-

tion about the program at the Shady Grove Center, see the UMBC@SG Web site at www.umbc.edu/shadygrove.

Human Services Program**Combined B.A.-M.A. program in Applied Behavior Analysis**

The program is designed to be completed in five years (it is already possible for a student not in the program to complete a standard undergraduate four-year major and the existing two-year M.A. program in six years).

The five-year master's requires a total of 141 credits, of which at least 30 must be at the graduate level. Our collaboration with the Kennedy Krieger Institute would make it difficult to arrange for more than three courses per semester in the fifth (master's) year, so students in this program should plan to take 123 credits, including at least 12 graduate credits, by the end of the senior year. One tuition constraint should be noted:

Students may not take more than nine graduate credits at the undergraduate rate, so three of the 12 senior-year credits (one course) must be paid for at the graduate rate. (Students would pay at the graduate rate anyway if they deferred these credits past the senior year.)

To be admitted into graduate courses, students must apply for admission to the graduate portion of the program during their junior year, and their applications will be reviewed by the Human Services Program Applied Behavioral Analysis admissions committee that also reviews standard applications to the Applied Behavioral Analysis M.A. program. Students also must maintain an average of "B" or better in the program courses to continue in the program.

Requirements:

(These exceed the minimum psychology major by three courses):

PSYC 100 and PSYC 331-332

From Group I:
PSYC 210 and PSYC 370

From Group 2:
PSYC 200, PSYC 285 and PSYC 340

BIOL 100 and 100L. BIOL 301 and one other biology course are also strongly recommended.

At least three of the following 300-level courses or parallel courses at the 400 level or higher:

PSYC 305, PSYC 308, PSYC 316, PSYC 320, PSYC 363, PSYC 382, PSYC 390

At least one of the following 400-level courses or a 600-level elective:

PSYC 407, PSYC 410, PSYC 424

The following 12 required graduate credits are recommended for the senior year:

Six credits of practicum (Fall, Spring)

Three credits from the behavior analysis core (preferably PSYC 695: Methods) (Fall)

Three credits from the Human Services Program core (preferably PSYC 604: Biological Bases) (Spring)

The following 18 required graduate credits are recommended for the fifth (M.A.) year:

Six credits from the behavior analysis core (preferably PSYC 715: Measurement and PSYC 601: Advanced Topics)

Six credits from the HSP core (preferably PSYC 605: Learning and PSYC 686: Ethics)

Six credits of intervention research and evaluation (capstone courses: PSYC 793 and PSYC 794)

The graduate courses above differ from the regular master's program in substituting undergraduate-level electives for the graduate-elective and in providing social core coursework at the undergraduate level.

Graduate Courses

Many graduate courses in applied developmental and human-services psychology are open to qualified undergraduates under the conditions specified in the academic regulations chapter of this catalog. Complete course descriptions may be found in the *Graduate Catalog*.

Special Opportunities

There are a variety of opportunities for undergraduates to gain applied and research experience. Students regularly obtain internships and co-op education experiences through the department and UMBC's Shriver Center. Similarly, a large number of students secure hands-on research experience by collaborating with psychology faculty members. Many undergraduate researchers have had the opportunity to co-author publications and present professional conference papers.

Student Organizations**Psychology Council of Majors and Psi Chi**

The department sponsors two student organizations: the Psychology Council of Majors and Psi Chi, the national honorary society for psychology. The Council of Majors and Psi Chi meet regularly and discuss such issues as graduate school preparation, job and internship resources, research opportunities and student-faculty relationships. Any declared major or minor can be an active member of the Council of Majors. Psi Chi membership criteria include completion of at least three semesters and a minimum of nine semester hours of psychology courses, declaration of the major or minor in psychology, and both a cumulative and a psychology course GPA of at least 3.0.