DON’T MISS IT!!

PSYCHFEST 2008
WEDNESDAY, SEPTEMBER 24
3-6 PM
SPARTAN STADIUM

Watch for: Undergraduate Seminars Starting in

PSA & PSI CHI Meetings
Every Other Week
Watch for E-Mail Announcements

WATCH FOR 3RD ANNUAL
“KALEIDOSCOPE OF CAREERS” (KC) PANEL PROGRAM IN FALL

WATCH FOR 2ND ANNUAL
“KALEIDOSCOPE OF GRADUATE PROGRAMS” (KGP) IN

PSYCHFEST 2008
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SPARTAN STADIUM

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PSYCHFEST 2008
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SPARTAN STADIUM

Department of Psychology
100 Psychology Building
Michigan State University
East Lansing, MI 48824-1116

2008-2009

College of Social Science
Social, Behavioral, and Economic Sciences
Michigan State University
WEB RESOURCES

PROGRAM REQUIREMENTS AND SCHEDULING

Please note that you bear ultimate responsibility for knowing and fulfilling graduation requirements. It is therefore essential that you use all of the University publications available to you. These include the:

- **Academic Programs**: [www.reg.msu.edu/AcademicPrograms](http://www.reg.msu.edu/AcademicPrograms), for rules and procedures
- **Description of Courses**: [www.reg.msu.edu/Courses/search.asp](http://www.reg.msu.edu/Courses/search.asp), for course information and prerequisites
- **Schedule of Courses**: [http://schedule.msu.edu](http://schedule.msu.edu) to plan schedule and look up section numbers
- **Enrollment**: [www.reg.msu.edu/roinfo/enrollment.asp](http://www.reg.msu.edu/roinfo/enrollment.asp), to schedule classes

CAREER INFORMATION:

- **O*NET On-Line**: [online.onetcenter.org](http://online.onetcenter.org) for descriptions of careers—nature of the work, salary information, and much more
- **United Way volunteer opportunities** anywhere in the USA: [http://www.volunteersolutions.org](http://www.volunteersolutions.org). You can locate volunteer opportunities in your hometown or nearby that you could possibly do over the summer.
- **Careerbuilder**: [www.careerbuilder.com](http://www.careerbuilder.com) for job opportunities across the country
- **Career Services and Placement**: [www.csp.msu.edu](http://www.csp.msu.edu) for MSU career information and services
- **College of Social Science Careers**: [www.socialscience.msu.edu](http://www.socialscience.msu.edu) Career information, click current student

PSYCHOLOGY INFORMATION

- **MSU Psychology Website**: [www.psychology.msu.edu](http://www.psychology.msu.edu)
- **American Psychological Association**: [www.apa.org](http://www.apa.org)
- **Psychopathology Information**: [www.psychopathology.org](http://www.psychopathology.org)
- **Community Psychology**: [www.cmmtypsych.net/](http://www.cmmtypsych.net/), [www.scra27.org](http://www.scra27.org)
- **Cognitive Psychology**: [www.cognitivesciencesociety.org](http://www.cognitivesciencesociety.org)
WELCOME TO PSYCHOLOGY!

Welcome to the Department of Psychology at Michigan State University! Psychology is the largest major on campus and has many exciting opportunities that are available to you. From our number of courses, to our experiential learning activities, you should leave MSU with a very comprehensive degree!

This Handbook is intended for students who have declared Psychology as their major during the 2008 – 2009 academic year. As a new student majoring in Psychology, you will need to understand and learn the requirements for your degree as well as the resources available to you on our campus. We hope that this Handbook will help you navigate these requirements and available resources.

In addition to this Handbook, you should utilize the Psychology and University websites. The Psychology website, www.psychology.msu.edu, contains valuable information that will help you select PSY courses, careers, areas of interest to investigate, graduate schools, workshops, and fulfill degree requirements. The University website, www.msu.edu, will offer you calendars, MSU News, course descriptions, people search, schedule of courses, computer enrollment, and much more.

The official guide for degree requirements can be found in the Undergraduate Psychology Advising Center
100 Psychology Building
East Lansing, Michigan 48824-1116
Phone: (517) 353-7271 Fax: (517) 355-5139
**ADVISING**

Advising in the Psychology Department is done in many different formats. We offer appointments, walk-in advising and various forms of group advising. Our appointments are scheduled on-line at [https://ntweb11.ais.msu.edu/1101/student/applogin.asp](https://ntweb11.ais.msu.edu/1101/student/applogin.asp), at the Psychology Undergraduate website. Walk-ins are available Monday – Friday from 1:00PM – 4:00PM. Advising takes place in the Undergraduate Psychology Advising Center in Room 100, Psychology Building. Our group advising takes place through our seminars, workshops and multiple events you will have the option to participate in throughout the year.

**Advisors:**
- Françoise Bigelow, Advisor: bigelowf@msu.edu
- Sally Grady, Advisor: grady@msu.edu
- Casey Austin, Advisor: caustin@msu.edu
- Sarah Handspike, Coordinator of Advising and Undergraduate Services: meadsara@msu.edu

Please see a Psychology advisor to discuss or review:
- BA or BS in Psychology, Additional Major, Second Degree, Minor, or Specialization
- Adding, dropping, or changing a major or degree
- Planning course schedules
- Opportunities: independent studies, internships, practicums, volunteering, employment, awards, scholarships and more...
- Progress in meeting requirements and potential graduation date
- Graduate or professional school planning
- Other academic and/or career needs

**Secretaries:**
- Keitha Kasel: kasel@msu.edu
- Jan Reid: reidja@msu.edu

Please contact a secretary in the Advising Office for assistance with the following:
- Overrides into Psychology (PSY) courses
- Late adds into Psychology (PSY) courses
- Independent Study (PSY 490/491) contracts

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**GRADUATE SCHOOL**

If you have been a high-achieving, conscientious student and are motivated to dedicate yourself to a much higher level of scholarly reading, writing, and research in a specific field, you may be a good candidate for graduate school. You must be able to demonstrate your commitment to academic success by what you have achieved in your undergraduate program. Graduate school is not something you just fall into because you haven’t chosen what to do next with your life or because you are worried about employment opportunities or salary. A graduate degree does not guarantee you a job or a high salary.

Graduate study in psychology consists of advanced training in a specific area. It should be viewed as professional training for a career, not just an extension of undergraduate courses. Consider very carefully why you want to go to graduate school and what your expectations are. You will also need to know which area of psychology you want to pursue.

Competition for admission is intense. Only the most qualified students are admitted. About 25 percent of psychology majors go on to some form of graduate study. For a good program, meeting the minimum standards for admission is not usually sufficient; you must do more. For example, the minimum GPA for entering most Ph.D. programs is a 3.2, but students who are actually admitted have a much higher GPA (generally a 3.5 or higher). Some programs place more emphasis on the GPA earned during the junior and senior years. Your undergraduate GPA and coursework, Graduate Record Exam (www.gre.org) scores, letters of reference, research and clinical experiences, and personal statement must show that you will be a successful graduate student.

Due to the breadth and diversity of courses in the psychology degree, students can apply to graduate school within the field of psychology or choose to apply to other related programs. Programs that are very popular that are not within our psychology department are: School Psychology, Social Work, Labor and Industrial Relations-Human Resources, Counseling, Sports Psychology, Student Affairs, and Public Policy. Many Psychology majors also choose to go on to professional programs like law and medical school.

Additional information on many of these graduate programs can be found in the Undergraduate Psychology Advising Center, 100 Psychology Building. Check out our Career Connection Series to learn more about what is needed for these programs. There are also graduate school books that can be checked out of the lending library.

Meeting with advisors and finding out how to apply decide whether or not it is faculty is imperative for to graduate school and to a good option for your career.
CAREER OPTIONS FOR PSYCHOLOGY GRADUATES

Approximately seventy-five percent of psychology graduates go directly into the workforce with a bachelor’s degree. Graduates of our department can compete effectively with other students who obtained a general/liberal arts education, as well as those who opted for more specialized curricula. Your performance as a psychology major and your willingness to prepare for a variety of career options will influence your attractiveness to employers and eventual career placement. Preparing for the job market and then building your career take planning and effort over a long period of time. You should take steps each semester, beginning with your freshman year, toward this end. Strive to incorporate the following into your undergraduate experience from a combination of course selections and other activities:

Ψ Oral and written communication skills  Ψ Teamwork
Ψ Critical thinking  Ψ Problem solving
Ψ Leadership  Ψ Research methodology
Ψ Computer literacy  Ψ Work experience

CAREER AREAS FOR PSYCHOLOGY GRADUATES

<table>
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<th>Child/Youth/Elder Care</th>
<th>Human Resources</th>
<th>Residential Services</th>
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<td>Consulting Services</td>
<td>Manufacturing/Production</td>
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<td>Court/Juvenile Services</td>
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<td>Customer Services</td>
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<tr>
<td>Employee Relations</td>
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<td>Student/Alumni Services</td>
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<tr>
<td>Employment Services</td>
<td>Private/Nonprofit Management</td>
<td>Substance Abuse Services</td>
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<tr>
<td>Financial Services</td>
<td>Public Relations/Media Services</td>
<td>Volunteer Services</td>
</tr>
</tbody>
</table>

GET INVOLVED

STUDENT GROUPS
PSI CHI and Psychology Scholars Association (PSA) hold their meetings together. (The psychology honors society {PSI CHI} membership is by invitation). PSA is open to all students interested in the field of psychology. Contact Sally Grady at 517-353-7271 or grady@msu.edu, http://www.psichi.org/ or http://www.msu.edu/~psichi/.

VOLUNTEERING
The Center for Service-Learning and Civic Engagement provides volunteer oppor-

PSYCHOLOGY OFFICE RESOURCES

There are reference materials, books that may be borrowed, handouts, free publications, and postings managed by the Advising Office in 100 Psychology Building that are available to you that provide information about:

♦ Career Options
♦ Graduate Programs
♦ Independent Study Opportunities
♦ Majors/Additional Majors
♦ MSU Specializations
♦ PSI CHI National Honor Society
♦ PSYCHFEST Participating Organizations and Programs
♦ Psychology-Related Job Postings
♦ Psychology Scholars Association
♦ Scholarships
♦ Service Learning Opportunities
♦ Study Abroad Information
♦ Volunteer Opportunities
♦ …..and more

E-MAIL

Due to the nature and quantity of e-mails that we receive, we encourage you to meet with us face-to-face when you are looking for detailed information. We welcome e-mails that are simple in nature. For

HONORS COLLEGE

Members of The Honors College should meet with their designated PSY Faculty Advisor. PSY Honors information can be found on the PSY website. For questions regarding admissions to The Honors College as a freshman, please direct your questions to The Honors College at www.msu.edu/unit/honcoll/.

♦ Dr. Kevin Ford: A – K, fordjk@msu.edu
♦ Dr. Juli Wade: L – Z, wadej@msu.edu
FRAMEWORK FOR PSYCHOLOGY DEGREE REQUIREMENTS

To ensure that you receive an appropriately broad and well-balanced education at MSU, psychology majors must satisfy the requirements of three separate units that represent three administrative levels: the University, the College of Social Science, and the Department of Psychology. You must meet the graduation requirements of each unit. In addition, you will need to choose elective coursework to achieve the minimum number of 120 credits (123 if you take MTH 1825) for a degree. You must complete 30 credits at the 300 or 400 level.

The following is a brief summary of University requirements; however, the Academic Programs handbook is the official source for University policy.

- Complete a minimum of 120 credits with a 2.0 or better MSU GPA; 123 credits with MTH 1825.
- Achieve a 2.0 or better Psychology GPA at MSU.
- Complete a minimum of 30 credits at MSU with a minimum of 27 credits on the East Lansing campus after junior status.
- Earn a minimum of 20 credits while in the major.
- Courses used to satisfy specific degree requirements may not be taken CR/NC.
- No more than 10 of a student’s last 30 credits may be transferred from a 4-year accredited college/university. PRIOR APPROVAL IS REQUIRED.
- No more than 56 credits will be accepted from a 2-year institution.

PSYCHOLOGY DEGREE CREDIT DISTRIBUTION

<table>
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<tr>
<th>Credit Distribution</th>
<th>University (31-33 credits)</th>
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<td>WRA, Integrative Studies,</td>
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<tr>
<td>Electives 26-28</td>
<td>Psychology (31)</td>
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<tr>
<td>College (30)</td>
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Of the 120 credits required, 30 credits need to be at the 300 or 400 levels.

Complete a minimum of 120 credits (123 if you take MTH 1825).

RESEARCH WITH FACULTY

Another opportunity for credit is independent study. Independent studies are important for students planning to apply for graduate school. This experience gives students great opportunities to work with faculty in the research environment. Research credit can be earned through PSY 490/491 or it can be done as a volunteer.

PSY 490 Special Problems in Psychology (Fall, Spring, Summer)
- Description: Students work under the direction of a faculty member on an experimental, theoretical, or applied problem. This is a graded course.
- Restrictions: Open only to juniors and seniors with at least a 2.5 GPA and who have completed 9 credits of psychology to include PSY 295. A maximum of 1-6 credits can be taken in a semester with a combined total of 12 credits for the degree. Needs instructor and department approval.

PSY 491 Participation in Psychological Project (Fall, Spring, Summer)
- Description: Students participate in a psychological project under direction of a faculty member.
- Restrictions: Open only to juniors and seniors with at least a 2.0 GPA and who have completed 9 credits of psychology. This is a pass/no pass course (no grade, only credit). A maximum of 1-6 credits can be taken in a semester with

HOW TO LOCATE PSYCHOLOGY RESEARCH OPPORTUNITIES

There are opportunities in the Department of Psychology for students to get involved in research in a faculty member’s lab, either as a volunteer or for credit (via PSY 490 or PSY 491). There are a number of ways to identify these opportunities.

- View listings on the Psychology website:
  Go to the Psychology website http://www.psychology.msu.edu. Click on the “UNDERGRADUATE PROGRAM” entry point, then on “CURRENT STUDENTS,” and on “INDEPENDENT STUDIES” (under “Degree Enhancements”). Click on an individual study to learn more about it.

- “Independent Studies” notebook of listings in the Advising Library:
  There is a notebook in the Psychology Undergraduate Office that contains listings of independent studies. Many of these listings may also be listed on the Psychology website, but some may be different.

- Contacting faculty to learn of additional independent study opportunities:
  You can identify which faculty members are doing research in an area of interest to you. Go to the Psychology website (http://www.psychology.msu.edu) and scroll all of the way down to “RESEARCH: SELECT A RESEARCH CATEGORY.” Select research areas of interest using the scroll-down bar to identify faculty doing research in a given topic area. Click on each one to learn more about their particular
EXPERIENTIAL LEARNING FOR CREDIT

An internship or practicum provides an opportunity to explore career possibilities and to develop communication and organizational skills. Many employers expect college graduates to have practical, work-related experience. Learning about the world of work and making contacts in your chosen field are essential tools for landing your first job. Instructor permission is required for these courses.

ADOLESCENT DIVERSION PROJECT
PSY 371/372 (8 credits)
The Adolescent Diversion Project is a two-semester commitment in which the student is trained and then mentors an adolescent involved in the juvenile justice system. This opportunity is offered every semester and the semesters have to be consecutive. Contact Sean Hankins, Director, at 517-355-9519 (hankinss@msu.edu) http://www.msu.edu/course/psy/371/ or Kristen Anderson, Assistant Director, at 517-355-9519 (ander631@msu.edu).

PSYCHOLOGY INTERNSHIP
PSY 381/382 (9-15 credits)
This course is a two-semester commitment. PSY 381 is in the spring and is a training and theory course. In PSY 382, students apply theory to practice. This internship is offered online in the summer. Internships are required to be in the human services field. This is a great opportunity to learn theories of human behavior, examine social problems, and “engage in strengths-based client centered service delivery”. Contact Sarah Handspike at 517-353-7271 or meadsara@msu.edu OR contact Cris Sullivan at 517-353-8867 or sulliv22@msu.edu for more information.

COLLEGE OF SOCIAL SCIENCE INTERNSHIP
SSC 493 (3-12 credits)
Internships are offered through the College of Social Science in various areas of interest depending on your career goals. Contact Karen Reiff at 517-353-9291, Email: reiffk@msu.edu, http://www.socialscience.msu.edu/current/internship.html.

STUDY ABROAD
Study abroad is another way to look at the world differently. This can benefit your career, your degree, and in many cases, you personally. When students study abroad they choose to step outside of what they “know” and expose themselves to new challenges.

College Restrictions on Experiential Learning
The total of independent study, practicum, internship, and field experience credits may not exceed 20 credits combined. If you have questions, contact a Psychology Advisor.

♦ A maximum of 12 credits of independent study may be applied toward the degree.
♦ A maximum of 12 credits in internship, field experience, and practicum courses

UNIVERSITY REQUIREMENTS

WRITING REQUIREMENT—The Tier I writing requirement is fulfilled by successful completion of one WRA course numbered between 110 and 195H, with a minimum grade of 2.0. The Tier II portion of your writing requirement is fulfilled by the completion of a designated 300-400 level course.

MATHEMATICS REQUIREMENT—Successfully complete MTH 110, 112, 114, 116, 124, 132, or 152H; or STT 200 or 201. Bachelor of Science students must complete a calculus class numbered MTH 124 or higher. See your Psychology Advisor for details and refer to the MSU Academic catalog for course requirements.

INTEGRATIVE STUDIES REQUIREMENT—The Integrative Studies requirement includes the completion of course work in the Arts and Humanities, the Biological and Physical Sciences, and the Social Sciences.

Integrated Studies in Arts and Humanities—8 credits
IAH 201-210
IAH 211+

Integrated Studies in Social Science—8 credits
ISS 2XX
ISS 3XX

Integrated Studies in Biological and Physical Sciences—8 credits
ISB 2XX
ISP 2XX

2 Credits of ISB/ISP Lab
Psychology majors pursuing the B.S. Degree may choose to complete the Integrative Studies credit requirement and to meet the diversity requirement.

INTEGRATIVE STUDIES CREDIT REQUIREMENT—Students must complete 24 credits in the Integrative Studies courses (IAH, ISS, ISB, ISP, and IAH 211+).

DIVERSITY REQUIREMENT—Students must include at least one “N” course (National) and one “I” course (International) in their Integrative Studies courses. A “D” course (Diversity) may meet either an “N” or an “I” requirement.
DEPARTMENT OF PSYCHOLOGY REQUIREMENTS

Complete a minimum of 31 credits in Psychology with a minimum 2.0 PSY GPA.

Required:

PSY 101 Introductory Psychology
PSY 295 Data Analysis in Psychological Research
PSY 395 Research Design, Test Construction, and Measurement

Choose one from:

PSY 200 Cognitive Psychology
PSY 209 Brain and Behavior

PSY 235 Social Psychology
PSY 236 Personality
PSY 244 Developmental Psychology: Infancy Through Childhood

Choose one from:

PSY 255 Industrial and Organizational Psychology
PSY 270 Community Psychology
PSY 280 Abnormal Psychology

Choose one from:

PSY 401 Memory and Skill (W)
PSY 402 Sensation and Perception (W)
PSY 403 Lab in Cognitive Psychology
PSY 405 History of Modern Psychology (W)
PSY 409 Psychobiology of the Life Span (W)
PSY 410 Neurobiology of Learning and Memory (W)
PSY 411 Psychobiology of Motivation (W)
PSY 413 Lab in Behavioral Neuroscience (W)
PSY 414 Psychology of Language (W)
PSY 424 Child and Family Psychopathology (W)
PSY 440 Attitudes and Social Cognition (W)
PSY 441 Interpersonal Behavior and Groups (W)
PSY 442 Stereotypes, Prejudice, and Discrimination (W)
PSY 450 Thinking Critically about Psychology (W)
PSY 455 Personnel Research Techniques (W)
PSY 475 Personality Theories (W)
PSY 493* Issues in Psychology (W)

(W) indicates a Tier II Writing course.

Required:

Elective courses in Psychology to reach 31 credits.

PSYCHOLOGY BA vs. PSYCHOLOGY BS

Students can choose to pursue a Bachelor of Arts (BA) or Bachelor of Science (BS) Degree in Psychology. When choosing a degree, students should always start with what they are most interested in. If you have always been good at science and math, and you like it, you will most likely complete the Bachelor of Science in Psychology. If you have always been a successful writer, like the humanities, and enjoy learning about people and cultures, you will probably want to pursue the Bachelor of Arts. It seems easy, but many students fall somewhere in the middle.

Many students ask which is better for jobs and graduate school. There is not one good answer for everyone. The answer depends on how well you would do in each of the areas. Some students think that the B.S. is the only way to graduate school, but if you can only get low grades in those courses, you may significantly hurt your chances for admission. If your future graduate program does not require or recommend those courses, you could have just lowered your GPA for no reason.

Most graduate programs want a diversity of courses. They also want students to show that they can do well in challenging courses. This can be done through either the B.A. or the B.S. Degree in Psychology. It is most important to do well in the most challenging courses that you can handle. It is also important to look ahead to see what courses are recommended by the graduate programs you are pursuing. If the programs you are looking into are more scientific in nature, you will probably want the courses in the B.S Degree.

CHANGING BA OR BS STATUS

Juniors and Seniors:
Psychology students who would like to change their degree status from Bachelor of Arts (BA) to Bachelor of Science (BS) or from BS to BA and have earned 56 credits or more need to email Academic.Affairs@ssc.msu.edu or call 517-355-6676 to request this change. Provide your name, PID number, telephone number, and major; specify the change you wish to make.

Freshmen and Sophomores:
Students desiring to make a degree change who have earned less than 56 credits need to visit their local Undergraduate University Division (UUD) Office in their residence complex or the main UUD Office at 170 Bessey Hall. For UUD locations, go to http://www.msu.edu/dept/uud. Click on the “Location” link. Check STUINFO within two weeks to verify that the degree change has gone through as
General Electives are any courses that do not meet any specific course requirement. This is your chance to explore and expand your knowledge in other areas of interest. Psychology students usually have 26-28 credits of General Electives. These courses will count toward the 120/123 minimum credits required for graduation. Elective courses taken at the 300+ level, will also satisfy the upper level requirement. Excess credits from University, College or PSY requirements are considered General Electives, also. When completing electives, you can take a diversity of courses from all different disciplines. If you would rather have them more focused, you may choose to complete a specialization, minor, additional major, or second degree.

Some of the more popular departments Psychology majors select from are:

- CEP  Counseling, Educational Psychology and Special Education
- COM  Communication
- EAD  Educational Administration
- KIN  Kinesiology
- IDES  Interior Design
- TE  Teacher Education
- ACC  Accounting
- JRN  Journalism
- PRR  Parks, Recreation and Tourism Resources
- TC  Telecommunication
- ADV  Advertising

**SPECIALIZATIONS**

Specializations can be found on the MSU website at [http://www.reg.msu.edu/ucc/specializations.asp](http://www.reg.msu.edu/ucc/specializations.asp). Specializations are usually between 15-20 credits. These courses can be from all different departments. Some popular specializations for PSY majors are Health Promotion, Coaching, Women’s Studies, Peace and Justice, and Dance. Completed specializations are listed on your transcript. There is a binder in the Undergraduate Psychology Advising Center that has requirements and handouts for many of the specializations.

**MINORS**

MSU has just recently approved the addition of minors as an option for departments to offer. If you are interested, contact the department of interest to see if they are offering one. Minors are listed on your final transcript.

**ADDITIONAL MAJOR**

Another option available to psychology majors is completing an additional major in another discipline. An additional major is noted on your final transcript. Most disciplines offer an additional major, though the requirements for each can be very different. Most additional majors range between 24-60 credits. You should contact the academic advisor in the discipline you are interested in for more information and to sign up.

**COLLEGE OF SOCIAL SCIENCE**

**PSYCHOLOGY BACHELOR OF ARTS (BA)**

**Group I: Courses in the College of Social Science**

Select 15 credits from the following departments:

- ANP Anthropology
- CJ Criminal Justice
- EC Economics
- FCE Family & Child Ecology
- GEO Geography
- HST History
- PLS Political Science
- SOC Sociology
- SSC 493 College Internship (up to 4 cr.)
- SW Social Work
- UP Urban & Regional Planning

**Group II: Courses in the College of Arts and Letters**

Select 9 credits from the following departments:

- AMS American Studies
- CLA Classical Studies
- ENG English
- IAH Int. Studies in Arts and Humanities*
- HA History of Art
- LIN Linguistics
- MUS Music
- PHL Philosophy
- REL Religious Studies
- ROM Romance Languages
- STA Studio Art
- THR Theater
- WRA Writing, Rhetoric & American Cultures
- WS Women Studies

* (courses 200 and above)

**Group III: Courses in the College of Natural Science**

Select 6 credits from the following departments:

- AST Astronomy
- BMB Biochemistry and Molecular Biology
- BS Biological Science
- CEM Chemistry
- ENT Entomology
- GLG Geological Sciences
- ISB Int. Studies in Biological Science**
- ISP Int. Studies in Physical Science**
- LBS Lyman Briggs (see exceptions)
- MMG Microbiology & Molecular Genetics
- MTH Mathematics (see exceptions)
- PLB Plant Biology
- PLP Plant Pathology
- PHY Physics
- PSL Physiology
- STT Statistics
- ZOL Zoology

**Approved Additional Natural Science Selections:**

- ANP 202 Biocultural Evolution
- CSE 101 Computing Concepts and Comp.
- GEO 206 Physical Geography
- GEO 203 Introduction to Meteorology
- GEO 206L Physical Geography Lab
- HNF 150 Introduction to Human Nutrition

**Exceptions:** The following courses may not apply to the college requirement in Natural Science: LBS 133, 246, 290, 330, 331, 332, 333, 334, 335, 336, 355, 425,
Group I: Courses in the College of Social Science
Select 9 credits from the following departments:
ANP   Anthropology   CJ     Criminal Justice
EC    Economics       FCE  Family & Child Ecology
GEO  Geography       HST  History
PLS  Political Science   SOC  Sociology
SSC 493 College Internship (up to 4 cr.)  SW  Social Work
UP  Urban & Regional Planning

Group II: Courses in the College of Arts and Letters
Select 6 credits from the following departments:
AMS  American Studies  CLA  Classical Studies
ENG  English         IAH  Int. Studies in Arts and Humanities**
HA    History of Art   LIN  Linguistics
PHL  Philosophy        MUS  Music
ROM  Romance Languages STA  Studio Art
THR  Theater          WRA  Writing, Rhetoric & American Cultures
WS   Women’s Studies  (courses 200 and above)

Group III: Courses in the College of Natural Science
Select 15 credits from the following departments:
AST  Astronomy  BMB  Biochemistry and Molecular Biology
BS   Biological Science  CEM  Chemistry
ENT  Entomology  GLG  Geological Sciences
LBS  Lyman Briggs (see exceptions)  MMG  Microbiology & Molecular Genetics
MTH  Mathematics (see exceptions)  PHY  Physics
PLB  Plant Biology  PLP  Plant Pathology
PSL  Physiology  STT  Statistics
ZOL  Zoology

Approved Additional Natural Science Selections:
GEO 206  Physical Geography  GEO 203  Introduction to Meteorology
GEO 206L  Physical Geography Lab  HNF 150  Introduction to Human Nutrition

Exceptions: The following courses may not apply to the college requirement in Natural Science: LBS 133, 246, 290, 330, 331, 332, 333, 334, 335, 336, 355, 425, 470, 483, 490, 492, 493, MTH 1825, 100E, 103E, 290, and NSC courses.

Alternative University Science Requirement:
If you choose to complete the Bachelor of Science Degree in Psychology, you may satisfy the University Integrative Studies Requirement with the Natural Science Alternative Track. Courses taken to complete the Alternative Track to Integrative Studies in Biological and Physical Sciences may not apply to the College of Natural Science 15 credit requirement. To complete the Alternative Track requirement, you must complete 8 credits by taking courses that consist of:

a) One course in Biological Science (BS)
b) One course in Chemistry (CEM) or one course in Physics (PHY 181B or higher)
c) Two credits of laboratory experience in Biological or Physical Science

Mathematics Requirement:
A calculus course at the level of MTH 124 or higher is required. If this course is used to satisfy the University Mathematics requirement, then the credits may not be counted toward the College of Natural Science 15 credit requirement.

Additional Science Requirement:
Choose ONE course from this list to be included in your College of Natural Science 15 credit requirement.

Neuroscience:  ZOL 402 - Neurobiology  ZOL 430 - Neuroendocrine Aspects of Behavior
Genetics:   ZOL 141 - Introductory Human Genetics  ZOL 341 - Fundamental Genetics  ZOL 445 - Evolution
Physiology: PSL 250 - Introductory Physiology  PSL 451 - Human Physiology I
Animal Behavior: ZOL 313 - Animal Behavior

The Bachelor of Science Degree is for students who are interested in the field of science and are successful in these courses. Talk to your advisor about which degree will be best for you and your future plans.

ZOL 355 - Ecology