Don't miss it!!!

Psych fest 2009
Wednesday
September 23
3-6 PM
Spartan stadium
Club level
Open to all students

Watch for: Undergraduate Seminars and Freshman Workshops Starting in September

Psychology Scholars Association & PSI Chi Meetings
Watch for E-Mail Announcements & Department Newsletters

4th Annual
“Kaleidoscope of Graduate Programs”
Tuesday
November 17
6-8 PM
118 psychology bldg.

Watch for
4th Annual
“Kaleidoscope of Careers” Panel Program in Spring 2010

Psychology Handbook
http://psychology.msu.edu

Department of Psychology
100 Psychology Building
Michigan State University

2009-2010

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), [www.psychologicalscience.org](http://www.psychologicalscience.org), [www.psyehonomic.org](http://www.psyehonomic.org)
- **Behavioral Neuroscience**: [www.isdp.org](http://www.isdp.org), [www.prias.org](http://www.prias.org)
- **Social Psychology**: [www.socialpsychology.org](http://www.socialpsychology.org), [www.sesp.org](http://www.sesp.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 2009 – 2010 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 Academic Programs Catalog or at www.reg.msu.edu/academicprograms/.

We are here to help you in any way! We hope to see you at least once a semester. Don’t miss out on advice and guidance for course selection and your career!

The Psychology Advisors and Staff

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 the Psychology Undergraduate website. Walk-ins are available Monday – Friday from 1:00PM – 4:00PM, during the academic year. 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:

- Casey Austin, Advisor: caustin@msu.edu
- Françoise Bigelow, Advisor: bigelowf@msu.edu
- Sarah Handspike, Coordinator of Advising and Undergraduate Services: meadsara@msu.edu
- Andrea Lunsted, Advisor: lunsteda@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
- Practicum or internship forms
- Faculty or department information
- Borrowing materials from the Psychology Advising Library

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 and on our website. 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 faculty is imperative for finding out how to apply to graduate school and to decide whether or not it is a good option for your career plans. Understanding how to get there and what it entails takes time and a lot of planning. Don’t wait until it is too late!
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

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GET INVOLVED

STUDENT GROUPS
The Psychology Scholars Association (PSA) is open to all students interested in the field of psychology. Interested students should come to the regularly scheduled meetings. Check out posted meeting dates at the Psychology website or in 100 Psychology Bldg.

Membership in PSI CHI, the National Honor Society in Psychology, is by invitation. Contact Françoise Bigelow at 517-353-7271 or bigelowf@msu.edu.
http://www.psichi.org/ or http://www.msu.edu/~psichi/

VOLUNTEERING
The Center for Service-Learning and Civic Engagement provides volunteer opportunities in a variety of contexts. Explore volunteer positions and apply online, or contact them at 517-353-4400, or stop by room 30 in the Student Services Building.
http://www.servicelearning.msu.edu/

STUDENT LIFE
Get involved on campus. Become a leader. Check out over 500 student organizations at http://www.studentlife.msu.edu/.

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 general questions, please e-mail the Psychology advisors at psyadvis@msu.edu.

HONORS COLLEGE

Members of the Honors College should meet with their designated Psychology faculty advisor. Psychology Honors information can be found on the Psychology Undergraduate website. For questions regarding admissions to the Honors College as a freshman, please direct your questions to the Honors College at http://honorscollege.msu.edu/.

♦ 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. An illustration of the degree framework is shown below.

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.
- Credits from a community college will not be accepted once junior status is achieved (56 credits).

**Note:** Before taking a course at another institution, you should clearly understand the MSU policy on transferability of courses. For more detailed information, go to transfer.msu.edu/ and consult with your academic advisor.

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 and graduate students 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 a combined total of 12 credits for the degree. Needs instructor and department approval.

#### 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](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 undergraduate website [http://www.psychology.msu.edu](http://www.psychology.msu.edu) and click the research button. Select research areas of interest to identify faculty doing research in a given topic area. Click on each one to learn more about their particular research. For each one that provides a “vita” (extensive resume) link, open the link to learn more about that faculty member’s background, research and recently published articles.
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 hankins@msu.edu or LaTonya Demps, Assistant Director, lloydlat@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”. Application materials are available on the undergraduate website under “Get Involved”.

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. Call 517-355-6676, 201 Berkey Hall, 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 thoughts, ideas and cultures. Psychology students are encouraged to go on programs where they can take courses to meet a variety of degree requirements. For more information on programs, search the study abroad database at studyabroad.msu.edu.

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 combined may be applied toward the degree. PSY 371/372 and 381 do not count against this limit.
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

**Choose one from:**
- PSY 235 Social Psychology
- PSY 236 Personality
- PSY 244 Developmental Psychology: Infancy Through Childhood

**Choose one from:**
- 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.
The elective courses in Psychology can come from independent study (PSY 490 & 491), practicum (PSY 371/372), internship (PSY 381/382) or elective classes (PSY 239-Psychology Of Women, 290-Psychology Careers, 310-Psychology and Biology Of Human Sexuality, 320-Health Psychology, 330-Personality: A Psychoanalytic Perspective, 344-Developmental Psychology: Adolescence & Youth, 492-Special Topics in Psychology). You may also select additional courses from the above categories.

*PSY 493 expanded descriptions and prerequisites are available on the Psychology undergraduate website. Each section of PSY 493 covers a different topic.

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.

The best way to determine which degree is best for you is by meeting with a Psychology advisor.

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 requested.
GENERAL ELECTIVES

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
PWR  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. Specializations are usually between 15-20 credits. These courses can be from 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 most 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. http://www.reg.msu.edu/AcademicPrograms/Programs.asp?PTtype=MNUN

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.

SECOND DEGREE

Second degrees are available for students wanting two diplomas. The University requires students pursuing a second degree to do a minimum of 30 credits beyond their first degree. Department and college requirements are usually required to be completed. A second degree can be added by meeting with an advisor in the area of interest.

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
- EC Economics
- GEO Geography
- PLS Political Science
- SSC 493 College Internship (up to 4 cr.)

UP Urban & Regional Planning

Group II: Courses in the College of Arts and Letters
Select 9 credits from the following departments:

- AMS American Studies
- ENG English
- GSAH Global Studies Arts Humanities
- IAH Integrative Studies Arts & Hum
- LIN Linguistics
- PHL Philosophy
- ROM Romance Languages
- THR Theater
- 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
- BS Biological Science
- CMB Cell and Molecular Biology
- GE GEO Geological Sciences
- ISP Int. Studies in Physical Science
- ISB Int. Studies in Biological Science
- MTH Mathematics (see exceptions)
- MMG Microbiology & Molecular Genetics
- MUS Music
- PLB Plant Biology
- PSL Physiology
- WRA Writing, Rhet & Amer Cultures

*(courses 200 and above)*

Approved Additional Natural Science Selections:

- ANP 202 Biocultural Evolution
- CSE 101 Computing Concepts and Comp.
- GEO 206 Physical Geography
- GEO 206L Physical Geography Lab
- HST 250 History and Technology of the Digital Age

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.

*Foreign language does include sign language courses (CEP 341, 441A, 441B...).
**If this course is used to satisfy the University requirement, then the credits may not be counted toward the college requirement.
**Group I: Courses in the College of Social Science**
Select 9 credits from the following departments:
- ANP Anthropology
- AJ 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
- Foreign Languages*
- GSAH Global Studies Arts Humanities
- HA History of Art
- IAH Integrative Studies Arts & Hum**
- LIN Linguistics
- MUS Music
- PHL Philosophy
- REL Religious Studies
- ROM Romance Languages
- STA Studio Art
- THR Theater
- WRA Writing, Rhet & Amer 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
- CMB Cell and Molecular Biology
- ENT Entomology
- GLG Geological Sciences
- LBS Lyman Briggs (see exceptions)
- MMG Microbiology & Molecular Genetics
- MTH Mathematics (see exceptions)**
- PHL Philosophy
- PLS Plant Biology
- PLP Plant Pathology
- 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 206L Physical Geography Lab
- HST 250 History and Technology of the Digital Age
- HNF 150 Introduction to Human Nutrition
- MTH 1825
- 100E
- 103
- 103E
- 290
- NSC courses.

*Foreign language does include sign language courses (CEP 341, 441A, 441B...).
**If this course is used to satisfy the University requirement, then the credits may not be counted toward the college requirement.

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**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 344 - Human Genetics
- ZOL 445 - Evolution
- Physiology: PSL 250 - Introductory Physiology
- PSL 310 - Physiology for Pre-Health Professionals
- PSL 431 - Human Physiology I
- Animal Behavior: ZOL 313 - Animal Behavior
- ZOL 355 - Ecology
- ZOL 415 - Ecological Aspects of 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.**