

**Academic Program Review Self-Study Report**  
**Arizona State University**  
**APPENDIX D –GRADUATE PROGRAMS**



# Applied Biological Sciences (MS)

Location(s):  
Polytechnic

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<https://webapp4.asu.edu/dqsadmissions/Index.jsp?program=&plan=LSAPBIOSMS> [/request-info/?prog=&plan=LSAPBIOSMS&name=Applied Biological Sciences \(MS\)](https://webapp4.asu.edu/dqsadmissions/RequestInfo.jsp?prog=&plan=LSAPBIOSMS&name=Applied_Biological_Sciences_(MS))

## Program Description

### Applied Biological Sciences (MS)

The M.S. in applied biological sciences is designed to prepare students who are technically proficient in the laboratory and the field, who know the technical literature in their field of research, who are articulate in oral and written communication and who understand the societal and policy implications of their work. Knowledge and skills learned prepare students for careers as biologists, natural resource managers, environmental consultants, other professional areas or doctoral studies. The degree is supported by faculty with backgrounds in:

- Biotechnology.
- Ecological restoration.
- Environmental biotechnology.
- Environmental policy.
- Plant systematics.
- Urban horticulture.
- Wildlife biology.

All students are required to complete a core of graduate courses, conduct a research project under the direction of a faculty member and prepare and defend a research thesis.

## Degree Requirements

**Plan of Study:** All students are required to complete two seminars: ABS 591 in the spring semester and ABS 691 in the fall semester. The remaining hours are chosen to support the student's educational objectives.

There are no foreign language requirements and no comprehensive examinations.

**Thesis Requirements:** A thesis which constitutes six credit hours, of the total 30 hours, is required .

**Final Examinations:** A final oral examination covering the thesis and related subject matter is required.

## Admission Requirements

All applicants must submit an online application to the Graduate College and must meet the minimum requirements for admission, including those regarding English proficiency. In addition, scores from the GRE or Miller Analogies Test are required. Applicants are expected to have completed 18 credit hours in biological sciences and closely-related courses. Specific fields of study may have specific expectations regarding courses taken at the undergraduate level. Applicants not meeting these course requirements may be considered for admission with deficiencies.

**Submit the following separate application materials to:**

Graduate College Admissions  
Arizona State University  
Interdisciplinary B #170  
PO Box 871003  
Tempe, AZ 85287-1003

1. A resume.
2. A statement of intent (maximum 600 words) explaining the applicant's interest in environmental resources, academic background and educational objectives.
3. Three letters of recommendation from references who are qualified to comment on the applicant's potential in the selected area of study.

## Application Deadlines

For fall enrollment, application materials are due to the Department of Applied Sciences and Mathematics and the Graduate College by March 15.

For spring enrollment, application materials are due to the Department of Applied Sciences and Mathematics and the Graduate College by Oct. 15.

## Selection Procedures and Notifications

Department faculty evaluate the applications and supporting materials and recommend to the Graduate College whether the applicant should be granted regular or provisional admission or if admission should be denied. If admission is provisional, the Graduate College, in its letter of admission, specifies the provisions that need to be met to gain regular status. The school informs successful applicants of the procedures for enrollment.

## Contact Information

School of Letters and Sciences | WANER  
[sls@asu.edu](mailto:sls@asu.edu) (<mailto:sls@asu.edu>)



# Applied Ethics (Science, Tech, and Ethics) M.A.

Location(s):

Downtown

Tempe

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<https://webapp4.asu.edu/dgsadmissions/Index.jsp?program=GRLS&plan=LAAEPSEEMA> [/request-info/?prog=GRLS&plan=LAAEPSEEMA&name=Applied Ethics \(Science, Tech, and Ethics\) M.A.\)](https://webapp4.asu.edu/dgsadmissions/Index.jsp?program=GRLS&plan=LAAEPSEEMA&name=Applied%20Ethics%20(Science,%20Tech,%20and%20Ethics)%20M.A.)

## Program Description

The science, technology and ethics concentration of the applied ethics and the professions degree focuses on the ethical issues arising from the multiple challenges involved in balancing economic, technological, environmental, social and cultural development in a world increasingly affected by science and technology. It provides the student with a general background in ethics and ethical systems with an emphasis on ethical issues in science and technology, as well as exposing students to new challenges posed by rapidly evolving sociotechnical systems in such areas as:

- Energy, environment and development.
- Genetic engineering and biotechnology.
- Information and communication technology.
- Nanotechnology.
- Risk assessment.
- Technology and security.

## Degree Requirements

Course work is distributed as follows:

- Required Core Course (AEP 501 Foundations of Ethics, Online) (3).
- Required Course in Concentration (HSD 598 Science, Technology and Ethics) (3).
- Electives from concentration courses (18).
- Required capstone course (AEP 593 Applied Project) (6).

## Admission Requirements

General admission requirements are as follows:

1. All documentation must be submitted electronically via the ASU Graduate College online application.
2. 3.00 or higher undergraduate GPA.
3. Résumé.
4. Personal statement of interest and qualification.
5. Two letters of recommendation.
6. International students: TOEFL score or comparable proof of English Proficiency.

No GRE is required.

## Contact Information

School of Letters and Sciences | SANCA 250D  
[joseph.herkert@asu.edu](mailto:joseph.herkert@asu.edu) (<mailto:joseph.herkert@asu.edu>) | 480-727-1548

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## Counseling (M.C.)

Location(s):

Tempe

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<https://webapp4.asu.edu/dqsadmissions/Index.jsp?program=GRLS&plan=EDCOUNMC> [/request-info/?prog=GRLS&plan=EDCOUNMC&name=Counseling \(M.C.\)](#)

### Program Description

The mission of the M.C. program is to prepare students to become professional mental health counselors or school counselors, culturally competent to work with diverse clientele in a variety of mental health settings in Arizona and other states. Clinical mental health counselors seek to prevent or treat psychological problems and to promote the health of individuals, families, groups and organizations in a multicultural and diverse society. The M.C. program was designed according to the standards for clinical mental health and school counseling set by the Council for the Accreditation of Counseling and Related Educational Programs.

The faculty has endorsed the multicultural counseling competencies of the American Counseling Association, the guidelines on multicultural education, training, research, practices and organizational change for psychologists, and the guidelines for psychotherapy with lesbian, gay and bisexual clients of the American Psychological Association.

### Degree Requirements

The program can be completed in no less than two years. Most students can complete the program in two to three years. The program is not designed to be a part-time program.

The practitioner option places considerable emphasis on supervised field experiences. A comprehensive exam is required to complete this option.

The research option places considerable emphasis on developing research competencies, in addition to supervised field experience. Successful completion of a master's thesis is required in this option.

The school counseling option provides added training in issues related to counseling in the schools (K-12 education). Considerable emphasis is placed on supervised experience in the schools.

### Admission Requirements

Applicants to this program must:

1. Submit the online Graduate College application.
2. Be graduates of accredited higher education institutions.
3. Meet the Graduate College requirements for admissions (e.g., minimum 3.00 junior/senior GPA and English language proficiency).
4. Submit a three- to five-page personal statement (see below).
5. Submit three recommendation forms (see below).
6. Take the verbal and quantitative sections of the GRE. The test must be retaken if scores are more than five years old.

### Nonacademic/Professional/Life Experiences

Applicants are required to submit a three- to five-page personal statement that will include information on significant life experiences, professional experiences, personal attributes, personal and professional goals, and other information that will assist the faculty in evaluating the applicant.

### Recommendations

Three recommendation forms are to be submitted. These should be completed by persons able to evaluate the applicant's academic potential, professional experience and personal attributes.

All application materials must be submitted by January 15 to ensure consideration for admission the following fall semester.

For more information, visit the school's website.

### Contact Information

School of Letters and Sciences | EDB 446  
[ccp@asu.edu](mailto:ccp@asu.edu) (mailto:ccp@asu.edu) | 480-965-8733



# Counseling Psychology (Ph.D.)

Location(s):

Tempe

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<https://webapp4.asu.edu/dqsadmissions/Index.jsp?program=GRLS&plan=EDCPSYPHD> / [/request-info/?prog=GRLS&plan=EDCPSYPHD&name=Counseling Psychology \(Ph.D.\)](https://webapp4.asu.edu/dqsadmissions/Index.jsp?program=GRLS&plan=EDCPSYPHD&name=Counseling%20Psychology%20(Ph.D.))

## Program Description

The doctoral program in counseling psychology closely adheres to the scientist-practitioner training model in preparing graduates for employment in academic and service delivery settings. Although faculty interests are diverse, there is a common emphasis on empirical data as the basis for professional practice. The faculty has endorsed the multicultural counseling competencies of the American Counseling Association, the guidelines on multicultural education, training, research, practices and organizational change for psychologists, and the guidelines for psychotherapy with lesbian, gay and bisexual clients of the American Psychological Association (APA).

The program is committed to the scientist-practitioner model. One manifestation of that commitment is the three complementary functions of the program's counselor training center, namely service delivery, clinical training, and research. Research foci include (but are not limited to):

- At-risk populations.
- Career development.
- Multiculturalism.
- Positive psychology.
- Process/outcome in therapy.
- Supervision.

## Degree Requirements

Our doctoral curriculum typically requires three to five years of full-time graduate study, plus a yearlong internship in an APA-approved setting. Each of these years involves course work pertaining to theory, research and practices in counseling psychology. Students are expected to maintain full-time status. Full-time status involves being registered for at least nine credits per semester in the course work years. This requirement applies only to the academic year and not summer sessions. At a minimum, students are required to complete two years of course work in residence at ASU.

## Admission Requirements

Applicants to doctoral study in counseling psychology must first submit 1) a Graduate College application, and 2) GRE scores (which can be no older than five years). If your native language is not English (regardless of where you may now reside), you must provide proof of English proficiency. The following supplemental materials are required by the counseling psychology program:

1. A brief personal statement (600 words or less) describing your history, your academic and professional goals, and your reasons for selecting the counseling psychology program at ASU.
2. A completed biographical information form.
3. A seven-page sample of your expository writing (e.g., taken from a paper you have prepared for a course or a report on a project you have completed in our field).
4. Three letters of recommendation. We prefer that two of these letters be from persons familiar with your academic work.

All application materials must be submitted by Dec. 15 in order to ensure consideration for admission the following fall semester.

For more information, visit the school's website.

## Contact Information

School of Letters and Sciences | EDB 446  
[ccp@asu.edu](mailto:ccp@asu.edu) (mailto:ccp@asu.edu) | 480-965-8733

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## Global Technology and Development MS

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School of Letters & Sciences

Location: [Downtown Phoenix](#), [Online](#)

LSGTDMS

### Program Description

#### Degree Awarded: MS Global Technology and Development

The M.S. in global technology and development is a program in international social, economic and political development that highlights the variable of technology in these development processes and analyzes change within the context of the current era of globalization. One of the central concerns addressed in the program is the global disparity in wealth and access to resources and basic needs, both between and within countries. Students are encouraged to pursue unique research questions in the developed or the developing worlds, which engage them in social science research on issues related to technology and human socioeconomic and political development. Students take theoretical, research, policy and regional studies courses to prepare for the master's culminating experience requirement of a thesis, applied project or comprehensive examination, depending upon the interests and goals of each student.

### Degree Requirements

Program requires the following:

30 credit hours and a thesis, or  
30 credit hours including the required applied project course (GTD 593), or  
30 credit hours, a written comprehensive exam and an oral comprehensive exam.

core credit hours (12)

elective credit hours (12)

comprehensive exam or thesis or applied project (6)

### Admissions Requirements

All applicants must complete the Graduate College online application. A bachelor's degree from a regionally accredited college or university recognized by ASU is required, in related fields such as political science, international relations, sociology, anthropology, economics, business, education, technology, engineering, life sciences, foreign languages or literature (i.e., topics related to global development, culture, and/or socioeconomic institutions)

Minimum of a 3.00 cumulative GPA (scale is 4.00=A) in the last 60 hours of the program.

A TOEFL score is required from any applicant whose native language is not English. Please visit [http://graduate.asu.edu/admissions/international/english\\_proficiency](http://graduate.asu.edu/admissions/international/english_proficiency) for more information.

### Attend Online

ASU offers this program in a fully online format with no face-to-face sessions required. We offer six enrollment sessions throughout the year, and you learn in accelerated, 7.5-week classes.

### Contact Information

[School of Letters and Sciences](#) | INTDS 366  
[gary.grossman@asu.edu](mailto:gary.grossman@asu.edu) | 480/727-9533