

Students should consult the Web site at [www.marquette.edu/core](http://www.marquette.edu/core) to review the continually updated list of courses that satisfy UCCS requirements. Because not all UCCS approved courses satisfy Klingler College of Arts and Sciences Curriculum requirements, students should consult with their advisers to most efficiently plan a program that satisfies both UCCS and Arts and Sciences Curriculum requirements.

## MAJORS AND MINORS

### DEPARTMENTAL MAJORS AND MINORS

Candidates for degrees are required to complete a major. Formal declaration of the major should be filed in the appropriate departmental office, usually during the sophomore year.

The Bachelor of Arts degree is awarded in Africana Studies; Anthropology; Classical Languages, Classical Studies; Criminology and Law Studies; Economics; English Literature, Writing Intensive English; French; German; History, American Military History; International Affairs; History of Philosophy, Social Philosophy; Political Science; Psychology; Social Welfare and Justice; Sociology; Spanish Language and Literature, Spanish for the Professions; Theology, and Women's Studies.

The Bachelor of Science degree is awarded in Biological Sciences, Human Biology, Physiological Sciences, Biochemistry/Molecular Biology; Chemistry; Mathematics, Computer Science, Computational Mathematics; and Physics. A minor is not required but is offered in most disciplines and some interdisciplinary fields. The number of semester hours required for various majors and optional minors is listed in the departmental sections of the bulletin.

**Overlap Limit:** Where applicable, students may overlap credits between majors and between majors and minors with an overlap limit of two courses (6-8 credit hours). At least 15 hours in the major and nine hours in the minor must be completed at Marquette.

### INTERDISCIPLINARY MAJORS AND MINORS

The Klingler College of Arts and Sciences is committed to the fundamental goal of integrating diverse areas of learning into a coherent whole. This integration lies at the heart of the liberal arts education provided at Marquette University. Achieving this goal involves two steps. First, as part of the College curriculum, students are required to study material from the wide variety of disciplines comprising the arts and sciences. Second, by majoring and perhaps minoring in a specific discipline of their choice, students pursue learning in more depth and are then challenged to integrate this into their broader understanding of the world acquired through the College curriculum. For students whose interests go beyond the boundaries of traditional disciplines, the College offers the interdisciplinary majors and minors listed below.

In addition, students for whom particular interests may be better served by a flexible grouping of courses from several areas can create an individualized interdisciplinary major. Such students should consult the college office in order to be referred to a faculty adviser in their area. With this adviser, the student will write a proposal explaining the relationship between educational objectives and the choice of an interdisciplinary major or minor, a list of courses to be included, and the sequence in which they will be taken. Such proposals, as well as any subsequent modifications, must be approved by the college's associate dean for academic affairs.

#### *INTERDISCIPLINARY MAJOR/MINOR IN AFRICANA STUDIES*

Students who pursue the degree in Africana Studies come from all racial, ethnic, and cultural backgrounds. They are unified by a common desire to enlarge and enrich their intellectual horizons by learning about the artistic, economic, historical, literary, philosophical, political, economic, sociological, scientific, and theological contributions of people of African descent to U.S. society and culture. Students take core courses in English, history, philosophy, sociology and theology and augment these with at least five electives to complete the major.

The major consists of five designated core courses and five electives for a total of 30 credit hours. The minor consists of three designated core courses and three electives for a total 18 credit hours.

Core Course Requirements for the major: (15 credits total): Students must take five of the following courses, including at least one course from each area:

- A. ENGL 157: African American Literature or ENGL 159: Race, Ethnicity, and Identity in American Literature and Culture or ENGL 177: Studies in Race and/or Ethnic Literature
- B. HIST 120: African American History or HIST 77: Africa
- C. SOCI 163: Race and Ethnic Relations or SOCI 164: African American Social Thought
- D. THEO 179: Malcolm, Martin, Baldwin and the Church or THEO 179: Christian Faith and Racial Justice

Elective Courses for the major and minor (15 credits total):

**Elective Courses for the major and minor (15 credits total):** Any of the core courses not taken as a core course may be taken as an elective. "Special Topics," seminars or colloquia courses with an Africana Studies focus will also be considered for approval by the program director.

ANTH 129, ARSC 193, CEEN 190, COMM 167, CMST 140, CMST 141, ECON 146, ENGL 147, FREN 102, HEAL 25, HIST 121, HIST 173, HIST 179, MANA 155, MUSI 154, PHAS117, PHIL 189, POSC 117, POSC 118, POSC 119, PSYC 112, PSYC 131, SOCI 126, SOCI 131, SOCI 138, SOCI 165, SOCI 166, SOWJ 80, SOWJ 178, SPAN 103, SPAN 171, SPPA 148.

Students are encouraged to develop 5-course concentrations in areas of particular interest. Possibilities include a disciplinary focus such as literature or sociology or an area focus such as American Urban studies. Concentrations should be designed with a major advisor and require approval by the director of the program.

#### **INTERDISCIPLINARY MAJOR IN APPLIED MATHEMATICAL ECONOMICS**

This interdisciplinary major blends mathematics and economics to provide the quantitative tools necessary for modern economic analysis. Economics students will find this major to be excellent training for employment as a business economist or excellent preparation for graduate study. The mathematics, engineering, or science student who wants to use mathematical expertise to learn a business discipline will find this major to be an interesting and useful application of mathematics.

#### **Requirements:**

Eighteen hours in economics: ECON 43, 44, 110, 120, 174, 175.

Fifteen hours in math: MATH 80, 81, 82, 161, or 164.

#### **Electives:**

Three hours in economics (one upper-division course).

Six hours in math: Two of the following: MATH 121, 140 or 83, 147, 160, 162, 163, 167.

#### **INTERDISCIPLINARY MAJOR/MINOR IN INTERNATIONAL AFFAIRS**

This major and minor offers interdisciplinary study of international affairs. Students take core courses in international politics and economics and, for the major, additional courses in history, languages, culture, and other areas to complete a concentration based either on a theme or a region. By graduation, students will have gained a solid base of knowledge regarding international affairs and the ability to integrate the diverse perspectives of several disciplines to gain subtle understandings of complex problems. The major consists of 10 courses or 30 credit hours; the minor consists of 6 courses or 18 credit hours. In addition, students must fulfill the background requirements for the major or minor.

#### **Requirements for the Interdisciplinary Major in International Affairs:**

Background requirements: two courses in history (either HIST 1 or 2; and one course from HIST 71, 77, or 82); ; ECON 43 and 44; POSC 40 and 60; one course in statistics such as MATH 60, MANA 28, PSYC 60, or SOCI 60; and demonstrated foreign language competency to the second intermediate (fourth term) level. Students are encouraged to take at least two language courses beyond the intermediate (4 or 10) level, and preferably to minor in a foreign language.

#### *Program Requirements:*

A. POSC 165, 167, 177, and 178.

B. An upper division course in international economics. ECON 151 is recommended for all students except those with a concentration in international economics. ECON 154, 155 or 156 are recommended for students with a concentration in international economics.

C. ARSC 160. (Usually completed during the student's last spring semester at Marquette.)

D. 12 hours from one of the following subfields. At least three of the courses must be numbered 100 or above. Please note that other courses may satisfy subfield requirements (especially for students who study abroad) but that any substitutions must be approved by the INIA coordinator.

1. Area Studies (Students in area studies must choose courses in one area.)

- European Studies: ANTH 126; HIST 141, 142, 143, 145, 149-50, 156, 157, 158, 160, 162, 164, 165, 166, 168; POSC 141, 142, 152, 173.

- Asian Studies: HIST 82, 183, 184; POSC 154, 155, 158, 175; PHIL 188; THEO 185, 186; JAPA 101.

- Latin American Studies: ANTH 142; HIST 71, 173, 174; POSC 156, 176; SPAN 102, 170, 193, 194.

- Third World Studies: ANTH 116, 125, 144; ENGL 147; HIST 71, 77, 174, 179, 181, 184; POSC 154, 156, 158, 159; THEO 185, 186.

2. Cross-Cultural Studies: FREN/GERM/SPAN 100 and 101; JAPA/ITAL 101; SPAN 102; ADPR 185, ANTH 101, 110, 112, 116, 126; CMST 140; ENGL 147, 159; PHIL 150, 188; POSC 148, 159; SOCI 165, 182; THEO 116, 137, 157, 163, 166, 168, 180, 182, 184, 185, 186.
3. International Economic Relations: Students in this concentration are required to complete 12 hours of coursework in addition to the INIA major's core requirement of a three hour upper division course in international economics. The combined 15 hours must include: ECON 154 and ECON 156; one additional international economics course (ECON 150, ECON 155, ECON 163, or relevant ECON 196); and two international economic relations courses (BULA 132, ECON 150, ECON 155, ECON 163, FINA 185, MANA 183, MARK 153, POSC 141, POSC 179)
4. International Political-Military Relations: HIST 113, 114, 118, 127, 143, 158, 165, 170; JOUR 182; POSC 129, 148, 170, 173, 174, 175, 176.
5. International Communication: Students in this concentration must complete at least two courses from the College of Communication. COMM 162; JOUR 182; CMST 140, 142; POSC 129, 141, 145, 148, 159, 170; ECON 156; HIST 113, 114, 170.
6. PEACE STUDIES: Students in this concentration must complete two courses from each division. A) Preventing War – CMST 134, 140; HIST 127, 165, 166, 170, 181; POSC 158, 174; B) Building Peace – ECON 155, 163; ENGL 159; HIST 145; POSC 159, 173, 175; THEO 180, 182, 185.
7. SPECIAL TOPICS: Students may work with their advisors to design a concentration on a topic in which they have a special interest. All such concentrations must meet the following conditions: 1) A special topics concentration must include four related three credit upper division courses on a topic in international affairs significantly different than any of the existing concentrations; 2) A special topics concentration must be declared and approved in writing at least a year prior to the student's graduation; and 3) The proposal must be signed and approved by the student, the student's advisor, and the INIA coordinator.

Other relevant courses (including courses offered at Marquette numbered 196, 197, 198, or 199 and many courses taken while studying abroad) may fulfill the subfield requirement with the prior approval of the program coordinator. Any substitutions must be approved by the program coordinator. No more than six hours of the credits counted to fulfill an INIA major may be counted toward any other major or minor.

**Requirements for the Interdisciplinary Minor in International Affairs:**

Background requirements: ECON 43 and 44; POSC 40 and 60.

Program Requirements:

A. POSC 165, 167, 177, and 178.

B. An upper division course in international economics. ECON 151 is recommended.

C. ARSC 160. This course is usually taken during the student's last spring term at Marquette.

Any substitutions must be approved by the program coordinator. No more than six hours of the credits counted to fulfill an INIA major may be counted toward any other major or minor.

**INTERDISCIPLINARY MAJOR/MINOR IN WOMEN'S STUDIES**

Women's studies as an academic discipline examines the world and those who inhabit it in the light of women's own experiences of that world. Such an examination serves other established disciplines in both a complementary and corrective manner. Through its employment of gender, race, class and other critical categories of analysis, women's studies seeks not only to understand all women and their experience, but also to know each woman and her experience. The interdisciplinary nature of the women's studies major, the fact that critical thinking skills are at its core, and the "revolutionary" effects it has on students' personal lives all contribute to making women's studies a versatile and powerful degree.

The interdisciplinary major of women's studies would be secondary to the student's primary major. The women's studies major consists of 36 total credit hours (18 of which may also fulfill college curriculum requirements).

Requirements:

ARSC 140, and at least three courses from each of the following two areas:

Social-Behavioral Science

ANTH 130 (Also SOCI 198), CRLS 167, 198\*, POSC 119, 196\*; PSYC 157, 165, 166; SOCI 21, 138, 162, 166

## Humanities

ARSC 130\* (also FREN 148\*), ENGL 165\*, 170\*, 171\*, 173\*, 185, 186, 198\*;  
 FOLA 148; HIST 123, 152, 196\*, 197\*, 198\*; PHIL 143, 190\*; THEO 129, 149\*

At least two courses from the following area:

## Electives

COMM 167, CMST 137, 196\*, HEAL 122

\*These are special topics or colloquium courses that must focus on areas pertinent to women's studies.

The women's studies minor requires 21 credit hours: ARSC 140, and at least two courses from each of the above areas (Social-Behavioral Science, Humanities and Electives).

*INTERDISCIPLINARY MINOR IN ASIAN STUDIES*

The interdisciplinary minor in Asian studies introduces students to the culture, history, politics, economics, geography, anthropology, sociology, philosophies, and religions of Asia. The minor consists of 18 hours, six from culture and six from history and society. The remaining six hours may be chosen from any of the listed courses or may consist in whole or part of courses approved by relevant departments and the program coordinator.

Requirements: (six hours from each of the following)

*Culture*: CMST 140; JAPA 101, 148; PHIL 188; THEO 185, 186

*History and Society*: HIST 127, 183, 184; POSC 154, 155, 158, 175; appropriate offerings of SOCI 196

Any substitutions must be approved by the program coordinator.

*INTERDISCIPLINARY MINOR IN CATHOLIC STUDIES*

The interdisciplinary minor in Catholic studies offers students an integrated understanding of Catholicism as a unique form of Christianity, examining its distinctive doctrines, historical changes in institutional forms and world-views, and impact upon culture, art and literature. The minor combines courses in theology, philosophy, English and history, and other special courses that deal with Catholic Christianity, among other topics, from their various perspectives.

The minor consists of 18 hours. Required courses: One theology course from: THEO 106, 135, 157, 158; One history course from: HIST 115 or 138 or 139; one course from designated electives in philosophy or English; and three other courses from approved upper-division offerings, with at least two of the four areas represented. For more specific information, consult the program coordinator.

*INTERDISCIPLINARY MINOR IN ENVIRONMENTAL ETHICS*

Students who opt for this minor will acquire the intellectual resources they need to reflect on the ethical dimensions of environmental issues. Five courses develop the knowledge and skills in the natural sciences and in the theological and philosophical traditions that are relevant to the minor. It culminates in a capstone seminar in which the ethical questions pertaining to a particular environmental problem are identified and approaches to its resolution are developed. When appropriate and feasible, the capstone facilitates student service in public or private organizations, government agencies, and businesses that are addressing the problem. Students are encouraged to take additional courses that complement the minor and to draw upon them during their capstone experience.

Faculty work together to schedule the required courses so the minor can be completed in two years. Faculty also identify students in their courses who are seeking the minor, guide their learning toward its goals, and help students understand how their courses relate to the minor.

Students pursuing the minor gather at least once a semester to discuss the program or a pertinent topic. On completion of the minor, each student is presented with a certificate listing the required and complementary courses taken and service learning completed. Every two years, the departments of Theology and Philosophy alternate directing the minor and leading the capstone seminar.

**Required Courses (18 credit hours):**

ARSC 110, BIOL 40/140 or PHYS 9 or CEEN 150 for CEEN majors, PHIL 132 or THEO 171; At least one of the following: ECON 163, ENGL 198 (Literature and the Environment), JOUR 173.

**Recommended Complementary Courses:**

ANTH 110, THEO 170.

**INTERDISCIPLINARY MINOR IN ETHICS**

The interdisciplinary minor in ethics provides an opportunity for students to explore the moral dimensions of human life and to develop the ability for critical ethical analysis in their personal and professional lives. By encouraging students to seek values across the curriculum in a formal and disciplined way, it prepares graduates not only for the modern workplace, but for the world in its most urgent and deepest complexity. First-level courses introduce the basis of ethical reasoning within philosophy and Christian faith. Second level courses engage students in the application of ethical theories to particular ethical issues or problems (e.g., business ethics, environmental ethics, poverty). Third-level courses allow students to explore the contexts of various institutions and social domains (e.g., the legal system; social and institutional dimensions of race and gender, mass communication) in which ethical decisions must be made.

The Ethics minor comprises seven courses (21 credits) chosen from the following areas:

- I. *Ethical theory (two courses required)*: PHIL 104, and either THEO 115 or 165.
- II. *Applied ethics (two courses required, at least one from philosophy)*: PHIL 105, 108, 191, 192; THEO 171, 175, 179; COMM 161.
- III. *Contemporary Interfaces with Ethics (two courses required)*: PHIL 107, 106, 110, 131, 151, 132, 143, 189; POSC 80; SOCI 121, 128; THEO 168; MARK 157; MANA 181; COMM 166; HEAL 131, 140; and additional courses subject to special approval by the director of the Center for Ethics Study.
- IV. *Capstone experience (required)*: ARSC 125.
- V. *Other courses subject to approval of program director*.

**INTERDISCIPLINARY MINOR IN FAMILY STUDIES**

The interdisciplinary minor in family studies allows students to combine theoretical and practical perspectives on the family and to become familiar with the various methodologies academic disciplines use to develop insights into the family. The minor requires 18 credit hours (17 credits for nursing students taking the NURS 138-139 sequence). To enroll, see the Family Studies Web page, Declaration Worksheet, or call the Family Studies Program coordinator. Any substitutions must be approved by the program coordinator. For course updates, see the Family Studies Web page.

**Required courses:**

SOCI 21—Should be taken before other courses in the minor, or at least as soon as the student has selected the minor.

ARSC 150—Should be taken last after the other five courses have been completed or during the student's last year of study.

**Electives:**

Twelve hours to include at least one course from each of the following three categories:

*Category I Family as Experience*

ANTH 130; HIST 123, 152; THEO 167; PHIL 110, 192; HEAL 25; SOCI 166; ENGL 173.

*Category II Family as System within Society*

COMM 160, EDUC 78 (only for education majors), PSYC 78, 157, 166 (for non-PSYC majors); SOCI 125, 129, 162, 198; CMST 170, 196; PSYC 101, 103, 157 (for PSYC majors).

*Category III Family as Resource for Human Needs*

CMST 145; CRLS 152, 168; EDUC 88, 104; PSYC 107, 138; SOWJ 168, 170, 182, 190.

NURS 138, 139, (only for nursing students).

PHTH 515 (only for physical therapy students).

Some additional courses may be acceptable toward the requirements (especially relevant courses numbered 196, 197, 198, or 199). See the program coordinator to receive **prior** approval for any courses not listed above or for any substitutions.

**INTERDISCIPLINARY MINOR IN JUSTICE AND PEACE**

The Interdisciplinary Minor in Justice and Peace provides students with the opportunity to explore systematically the nature of justice and peace and the challenges and paths towards realizing justice and peace in the world in which they live. The minor consists of 21 credits in the following five tiers of courses. To enhance the interdisciplinary experience, no more than two of the five courses required by tiers B-D can be taken in any single discipline.

**Requirements:**

A. *Conceptualizing Justice and Peace*: ARSC 170 (3 credit hours).

Five courses selected from tiers B-D.

B. *Bridging Social Communities* (two courses selected from the following): ADPR 185; ANTH 101, 125, 130; CMST 134, 140, 141; ENGL 159, 177; HIST 120, 152; PHIL 110, 132, 143, 189; PSYC 111, 112; SOWJ 185; THEO 165, 180, 182, 184, 185, 186.

C. *Promoting Social and Economic Justice* (two courses selected from the following): ANTH 110, 116; ARSC 120; ECON 155, 163; HIST 158, 173; PHIL 150; POSC 105, 119, 135, 141, 142, 148, 154, 155, 156, 159, 177; SOCI 163, 165; SOWJ 80, 178, 182; THEO 166.

D. *Resolving Violent Conflict* (two courses selected from the following): CRLS 163, 168; HIST 145, 165, 166, 170, 181; POSC 158, 165, 167, 173, 174, 175, 176, 178; THEO 168.

E. *Capstone Seminar in Justice and Peace*: ARSC 171 (3 credit hours).

**Note:** Relevant upper-division independent study, special topics, and internship courses can count towards the course requirements in tiers B-D with the prior approval of the program coordinator. Any substitutions must be approved by the program coordinator.

#### *INTERDISCIPLINARY MINOR IN MEDIEVAL STUDIES*

The interdisciplinary minor in medieval studies integrates courses in English, foreign languages, literature, history, philosophy, and theology to introduce students to the major movements and achievements of the Latin Christian West from approximately A.D. 500 to 1500. The minor requires 21 credit hours.

##### **Requirements:**

ARSC 130

Three hours from HIST 134, 135, 136, 138

Three hours from ENGL 114, 115; Medieval offerings of ENGL 198; FREN 115, FOLA 98, 148, 198, GERM 190, SPAN 190

PHIL 113

THEO 140

##### **Electives:**

Six hours from the following:

Appropriate offerings of HIST 197, 198 as well as courses listed under required courses

English courses listed under required courses

Language courses listed under required courses

PHIL 119; appropriate offerings of PHIL 190

THEO 138, 141, appropriate offerings of THEO 149

Any substitutions must be approved by the program coordinator.

#### *INTERDISCIPLINARY MINOR IN PUBLIC HISTORY*

The Interdisciplinary Minor in Public History allows students to examine the ways the historic method is applied outside of the classroom. For students seeking a career in public history, the minor will better prepare them for advanced study in specialized programs. In addition to history courses, students can explore related disciplines such as anthropology and can take specialized courses in fields such as marketing, management, or advertising. Students interested in this minor should see the public history adviser in the Department of History. As students select courses to meet the requirements for the University Core of Common Studies (UCCS), they should pay close attention to the list of recommended courses for this minor. *Prerequisites for enrolling in the minor are HIST 4 and 5; or HIST 6.* Recommended courses that satisfy UCCS requirements include ANTH 1; COMM 11 or ENGL 2; ECON 43; and a statistics course (MANA 28; MATH 60; PSYC 60; SOCI 60).

The minor requires 21 credit hours.

A. Required courses in history (12 credit hours): HIST 191, 192 and 193

One upper division history course appropriate to the public history area in which the student envisions working (e.g., HIST 101, 104, 120, 196 or 197, depending on the relevance of the topic).

B. Three elective courses\* (9 credit hours) selected from among the following: ACCO 30, ACCO 31, ADPR 140; ANTH 105, 141; ENGL 198 (Writing for Non-Profit Agencies); ENTP 150; MANA 156, 160, 167 (MANA 160 is a prerequisite); MARK 140, 143 (MARK 140 is a prerequisite).

\* Only two business administration courses may be included among the three electives. All courses should be selected with the approval of the public history advisor.

History majors pursuing the Interdisciplinary Minor in Public History should note that only two courses may overlap between a major and a minor in the Klingler College of Arts and Sciences.

#### **INTERDISCIPLINARY MINOR IN URBAN AFFAIRS**

The interdisciplinary minor in urban affairs introduces students to urban issues from multiple viewpoints. The minor requires 21 credit hours.

Students must take at least one course from each of the following four areas:

ECON 145, 146

POSC 117, 118

SOCI 131, SOWJ 182, ANTH 129

HIST 121 and appropriate offerings from 196, 197, 198

In addition, students can choose their remaining elective courses from the following: ARSC 100, CEEN 185, CRLS 157, CRLS 158, CRLS 198, ECON 163, HIST 120, JOUR 171, JOUR 175, PHIL 110, REAL 150, SOCI 121, SOCI 126, SOCI 127, SOCI 163. Please see approved list from the program coordinator. An interdisciplinary urban affairs major can be created for individual students in consultation with the program coordinator. A proposal for an interdisciplinary urban affairs major must be approved by the college's associate dean for academic affairs.

#### **PROFESSIONAL MINORS**

Professional minors are available in advertising (College of Communication), business administration, human resource management, information technology, and marketing (College of Business Administration), biomedical sciences (College of Health Sciences) and health studies (College of Nursing). See the appropriate sections of this bulletin for information.

#### **ELECTIVE COURSES**

Of the 128 credit hours required for a degree, those not fulfilling UCCS, college curriculum and major requirements are deemed electives. Courses in other divisions of the university may also be taken for elective credit.

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## **PRE-PROFESSIONAL STUDIES**

The Office of Pre-Professional Studies, sponsored by the Klingler College of Arts and Sciences, provides advice and service to students who wish to enter dental, law, medical or other health-related professional schools. Interested students should register with the Office of Pre-Professional Studies, Marquette Hall, 208.

### **PRE-DENTISTRY**

#### **COURSE REQUIREMENTS**

The requirements for dental schools typically include:

Biology	8-9 semester hours	Organic Chemistry	8 semester hours
English	6 semester hours	Physics	8 semester hours
General Chemistry	8 semester hours		

All required courses in biology, chemistry, and physics must include laboratory work.

Generally, dental schools require a minimum of three years (90 semester hours) of undergraduate study.

For specific requirements of particular dental schools, refer to *ADEA Official Guide to Dental Schools* at [www.ADEA.org](http://www.ADEA.org).

#### **DENTAL ADMISSION TEST**

All candidates for dental school must take the Dental Admission Test (DAT). This test is only offered in computerized form and is usually taken 16 to 17 months before entering dental school. Registration packets are available in the Office of Pre-Professional Studies. Registration applications are available online at [www.ADEA.org](http://www.ADEA.org).

#### **APPLICATION**

Application is made through the American Association of Dental Schools Application Service (AADSAS), a central application service. AADSAS applications are available online at [www.ADEA.org/AADSAS](http://www.ADEA.org/AADSAS).