The Department of Entomology offers two undergraduate degrees, a traditional major in Entomology (ENTO) and a relatively new major in Forensic and Investigative Sciences (FIVS). Undergraduate degrees prepare students for graduate and professional schools and depending upon the degree plan for a wide variety of career opportunities that range from law enforcement and crime labs (private and government run labs) to technical positions in university, government and private industry. The Department is one of the top entomology departments in the United States based on its outstanding students, staff and faculty, excellent facilities, and exceptionally diverse programs that improve lives throughout Texas, the region, and the world.

Forensic and Investigative Sciences, an accredited program by the Forensic Science Education Programs Accreditation Commission (FEPAC), is a major offered by the Department of Entomology and is a growing area of interest for students seeking to gain entry into careers that deal with the collection, preservation, processing and use of evidentiary information to solve crimes and civil disputes.

Leadership skills are developed through participation in a wide array of extracurricular activities, including Departmental clubs, judging teams, and continuing education/youth programs. A substantial number of students gain experience in a variety of disciplines and are able to pay for part of their college expenses through part-time employment in the Department, University, or as recipients of Departmental scholarships.

The Department of Entomology is extremely friendly and cares about each student individually.
Department of Entomology
Administration

Dr. Pete Teel
Regent Professor & Interim Department Head
412 Heep
979-845-3253
pteel@tamu.edu

Dr. Craig Coates
Instructional Associate Professor, Entomology &
Associate Department Head for Academic Programs
412 Heep
979-458-1219
ccoates@tamu.edu

Dr. Jeff Tomberlin
Associate Professor & Director of the
Forensic and Investigative Sciences Program
412 Heep
979-845-9718
jktomberlin@tamu.edu

Dr. Adrienne Brundage
Lecturer & Outreach Coordinator for the Forensic & Investigative
Sciences
404 Heep
979-845-9731
adrienne.brundage@tamu.edu
Department of Entomology
Undergraduate Advisors

**Rebecca Hapes**  
Senior Academic Advisor  
Entomology  
404 Heep Center  
979-845-9733  
rhaps@tamu.edu

**Ann Pool**  
Senior Academic Advisor  
Entomology  
404 Heep Center  
979-845-9733  
anpool@tamu.edu

Advising Hours:  9:00 a.m. to 11:30 a.m. and  
1:30 p.m. to 4:00 p.m.

To schedule an appointment, visit our website:  
entomology.tamu.edu
Degree Plans

Entomology

Entomology is the study of insects and their relationship to humans, the environment, and other organisms. Entomologists make great contributions to such diverse fields as agriculture, chemistry, biology, human/animal health, molecular science, criminology, and forensics. The study of insects serves as the basis for developments in biological and chemical pest control, food and fiber production and storage, pharmaceuticals, epidemiology, biological diversity, and a variety of other fields of science.

Forensic and Investigative Sciences

Science Emphasis

The Science Emphasis develops skills in problem solving and critical thinking. Forensic and investigative scientists rely upon state-of-the-art scientific discoveries and technologies as tools to seek answers to critical questions in a variety of settings. Molecular, organismal, environmental, and ecological sources of information are often analyzed and interpreted in industrial, regulatory, legal, medical and associated professions. Graduates will be competitive for employment opportunities in quality assurance laboratories, homeland security and investigative services at local, state and national levels. Students will be prepared for opportunities to enter post-graduate studies or professional schools including medicine, law, and veterinary medicine.

Law Emphasis

This track provides pre-law students with a solid scientific foundation while also preparing them for success in law school. Ultimately, our goal is to empower students to more effectively practice law in arenas where science will play a critical role in the judicial process. We aim to educate and train Aggies as the next generation of lawyers, judges, and policy makers that are best able to critically evaluate scientific research and apply these concepts to the evaluation of evidence, in order to improve the application of justice for all. Students in this major have successfully completed their Juris Doctor (J.D.) degrees at top law schools.

*Please check updated degree plans on the Entomology website at entomology.tamu.edu**
## B.S. in Entomology

**Freshmen Year Course Schedule**

<table>
<thead>
<tr>
<th>FALL SEMESTER</th>
<th>SPRING SEMESTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 104</td>
<td>3HRS</td>
</tr>
<tr>
<td>BIOL 111</td>
<td>4HRS</td>
</tr>
<tr>
<td>MATH 140</td>
<td>3HRS</td>
</tr>
<tr>
<td>HIST 105</td>
<td>3HRS</td>
</tr>
<tr>
<td>AGLS 101</td>
<td>1HRS</td>
</tr>
<tr>
<td></td>
<td>Communication Elective</td>
</tr>
<tr>
<td>BIOL 112</td>
<td>4HRS</td>
</tr>
<tr>
<td>MATH 142</td>
<td>3HRS</td>
</tr>
<tr>
<td>HIST 106</td>
<td>3HRS</td>
</tr>
</tbody>
</table>

## B.S. in Forensic & Investigative Sciences

**Freshmen Year Course Schedule**

<table>
<thead>
<tr>
<th>FALL SEMESTER</th>
<th>SPRING SEMESTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>AGLS 101</td>
<td>1HR</td>
</tr>
<tr>
<td>BIOL 111</td>
<td>4HRS</td>
</tr>
<tr>
<td>CHEM 119</td>
<td>4HRS</td>
</tr>
<tr>
<td>MATH 140</td>
<td>3HRS</td>
</tr>
<tr>
<td>FIVS 205</td>
<td>3HRS</td>
</tr>
<tr>
<td></td>
<td>BIOL 112</td>
</tr>
<tr>
<td></td>
<td>CHEM 120</td>
</tr>
<tr>
<td></td>
<td>MATH 142</td>
</tr>
<tr>
<td></td>
<td>ENGL 104</td>
</tr>
</tbody>
</table>
Freshman Admissions

Steps to Apply to Texas A&M University
1. Apply through applytexas.org
2. Receive a UIN (User ID Number)
3. Log on to AIS at applicant.tamu.edu
4. Check Status of Application
5. Upload Documents
   a.) Application
   b.) Official High School Transcript
   c.) SAT/ACT Scores
6. Optional
   • Letter of Recommendation
   • Resumes

Once Admitted, Submit:
- Proof of Vaccination
- Final High School Transcript
- Official College Transcript (if applicable, dual credit)
How to be Admitted - Freshman

1. State of Texas Top 10% Rule
2. Academic Admits
   Must rank in the top quarter of their graduating class on or before the application deadline, and achieve SAT or ACT test score minimums.
   - Total SAT score of at least 1360 with at least a 620 in MATH and 660 in Evidence-Based Reading and Writing components, or
   - Composite ACT score of at least 30 with at least a 27 in the Math and English components
3. Review Admits
   Factors such as academic achievements, personal achievements, and essays are considered.
4. Alternative Admission Decisions
   a.) Aggie Gateway - A summer provisional admission program that gives students a unique chance to gain full admission to the university the following fall semester
   b.) BLINN Team - A collaborative admission program between Texas A&M University and Blinn College. Students are co-enrolled at both institutes. (FIVS Majors are encouraged to meet with the FIVS advisors regarding registering for classes each semester.)

Please note that the FIVS program does not participate in the University’s PSA program.

**Make sure to apply early**
How to be Admitted - Transfer Students

Entomology
College of Agriculture & Life Sciences
Ann Pool, Sr. Academic Advisor
annpool@tamu.edu
entomology.tamu.edu

2019-2020 Transfer Course Sheet
Minimum GPA | 2.5
Minimum Transferable Hours | 24
Second-Choice Major Eligible | YES
Participate in PSA or PTA Programs | NO

Required Coursework for Admission

<table>
<thead>
<tr>
<th>Course Name</th>
<th>TCCNS Hrs.</th>
<th>TAMU Hrs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Business Math I</td>
<td>3</td>
<td>MATH 1324 MATH 141</td>
</tr>
<tr>
<td>Business Math II</td>
<td>3</td>
<td>MATH 1325 MATH 142</td>
</tr>
<tr>
<td>Biology I</td>
<td>4</td>
<td>BIOL 1406 BIOL 111</td>
</tr>
<tr>
<td>Biology II</td>
<td>4</td>
<td>BIOL 1407 BIOL 112</td>
</tr>
</tbody>
</table>

- Students may have to complete College Algebra (MATH 1314) at their institution before taking MATH 1324 or 1325.
- College Algebra is a transferable course but will not satisfy the Mathematics requirements in this degree plan.

The recommendations below represent what a typical TAMU student's schedule looks like during the first four semesters. If working to complete an Associate's Degree before transferring, please align your degree plan to satisfy TAMU degree requirements. You may not have to complete the coursework in this sequence below but this major requires or recommends specific coursework to be completed.

First Year

<table>
<thead>
<tr>
<th>FALL SEMESTER</th>
<th>SPRING SEMESTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>TCCNS Course Name</td>
<td>TAMU Course Name</td>
</tr>
<tr>
<td>BIOL 1406</td>
<td>BIOL 111</td>
</tr>
<tr>
<td>(1304/1306)</td>
<td></td>
</tr>
<tr>
<td>CHEM 1411</td>
<td>CHEM 119</td>
</tr>
<tr>
<td>(1311/1311)</td>
<td></td>
</tr>
<tr>
<td>MATH 1324</td>
<td>MATH 141</td>
</tr>
<tr>
<td>NTRNS ENTO 261</td>
<td>General Entomology</td>
</tr>
</tbody>
</table>

Total 14

Second Year

<table>
<thead>
<tr>
<th>FALL SEMESTER</th>
<th>SPRING SEMESTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>TCCNS Course Name</td>
<td>TAMU Course Name</td>
</tr>
<tr>
<td>CHEM 2479</td>
<td>CHEM 222</td>
</tr>
<tr>
<td>NTRNS ENTO 482</td>
<td>Occupational and Professional Development</td>
</tr>
<tr>
<td>core.tamu.edu</td>
<td>Social &amp; Behavioral Sciences</td>
</tr>
<tr>
<td>core.tamu.edu</td>
<td>American History</td>
</tr>
<tr>
<td>GOVT 2305</td>
<td>POLS 206</td>
</tr>
</tbody>
</table>

Total 15

- Consider taking courses that fulfill the 3 hours of International and Cultural Diversity requirement and 3 hours of Cultural Discourse course requirement when completing the Social and Behavioral Sciences, Fine Arts and Creative Arts requirements.
For further information please refer to the Forensics and Investigative Sciences transfer information website at http://entomology.tamu.edu/forensicinvestigativesciences/transfer-requirements/.
Coursework Timeline

- Competitive applicants will have the required coursework completed by the application deadline.
- Applicants to the summer/fall term may be asked to submit spring final grades, this is not a guarantee.
- Summer coursework will not be considered for summer/fall applicants.
- Fall coursework will not be considered for spring applicants.
- Applicants to the spring term should have the Recommended or Required coursework completed by the end of Summer II semester before applying.

Additional FIVS Transfer Requirements

Transfer Applicants with less than 45 hours
- CHEM 119 and 120
- Min. 2 other science courses from the Common Body of Knowledge (CBK) list
- Min. 2 other CBK courses
- Overall 3.0 GPA

Transfer Applicants with 46-65 hours
- All CBKs completed
- Overall 3.0 GPA

Applicants will not be admitted above 65 hours

Additional Information

- All required courses must be completed at the time of application
- 3.0 GPA on all coursework with no grade of D, F or U.
- The FIVS program DOES NOT participate in the PSA or PTA programs offered through TAMU.
- Applicants will not be admitted over 65 total credit hours
- Contacting an academic advisor in this department is strongly recommended prior to application.

***Please check the Office of Admissions website for current deadline dates at admissions.tamu.edu***

**Applicants are encouraged to attend a Prospective FIVS Student Informational when planning to transfer**

https://meetme.so/FIVSProspectiveStudents
Minimum Guidelines for Continuing Forensic & Investigative Science Students

(Revised for Fall 2013, Modified June 2015 – Programmatic oversight team reviews policies regularly and communicate updates to students via official TAMU communication channels)

1. Freshman must maintain a 2.75 cumulative GPR at all times or they may be subject to probationary terms or dismissal.
2. Sophomores, Juniors, ad Seniors must maintain a 3.0 cumulative GPR at all times or they may be subject to probationary terms or dismissal.
3. Student must enroll in and successfully complete (with a “C” or better) a minimum of one science course per semester.

-The Grade Point Ratio (GPR) is the total number of grade points divided by the total attempted hours at TAMU

-Classifications determined by student rules 13.1-.3 at: http://student-rules.tamu.edu/rule13

Statement of Curricular Responsibility

  o Students are expected to complete courses in the semester they are outlined on the curricula or with prior advisor approval. Students who deviate from the curriculum as outlined, or planned with advisors, may be forced to delay graduation.

Further information regarding the Minimum Guidelines are located on our website at: https://entomology.tamu.edu/forensic-investigative-sciences/guidelines-for-continuing-students/
Honors Programs in Entomology

Departmental Requirements to Graduate with ENTO Honors

To achieve ENTO Honors, a student must complete 18 hours of Honors coursework:

1. ENTO 201 General Entomology or ENTO 208/209 Veterinary Entomology
2. Twelve (12) hours of honors-level ENTO coursework.
   a. At least six (6) hours of ENTO courses must be at the 300/400 level.
   b. Upper level may include 6 hours of Directed Studies / Research.
3. Three (3) additional hours of honors-level coursework.

To be certified for Honors Distinction in Entomology no grade of D* or F* in any course on the transcript and no grade on the transcript of “D” or “F” in an honors class can be recorded. (An asterisk [*] on the transcript of a graduating student indicates that the student was given a grade penalty for academic dishonesty and the student did not complete the remediation program that is required in order to have the asterisk removed from such a student’s transcript.)

Honors Recognition and Graduation with Honors

All completed Honors coursework taken at Texas A&M University is designated as such on a student’s official transcript, showing that the student has taken part in this enhanced curriculum. After graduation, the transcript will designate that the student has achieved the distinction of “Entomology Honors”, as well as any other University academic distinctions.

Admission to the Honors Program in Entomology

Current and potential ENTO majors who have an overall GPA of ≥ 3.5 are eligible for admission to the Department Honors Program. Students are encouraged to consult with a member of the Departmental Academic Advising Team as early as possible in their academic career to plan their course sequence. A TAMU cumulative 3.5 GPA and a 3.25 GPA in Honors courses is required to graduate with ENTO Honors.
Grade Point Requirements

Participants in the Entomology Honors Program must maintain a TAMU cumulative 3.5 GPA and a 3.25 GPA in Honors courses and no grade in an honors course below a “C”.

Professional Development

Students are highly encouraged to pursue additional University-level honors distinctions, certificates, and to participate in programs such as the Research Scholars Program through the Office of Honors and Undergraduate Research. Additional professional activities such as organizational memberships and participation in Student Research Week or other student oral presentation or poster competitions are strongly encouraged.

Honors Program in Forensic and Investigative Science

Departmental Requirements to Graduate with FIVS Honors

To achieve FIVS Honors, a student must complete 18 hours of Honors coursework:
1. FIVS 205 Introductory Forensic & Investigative Sciences
2. Twelve (12) hours of honors-level FIVS coursework.
   a. At least six (6) hours of FIVS courses must be at the 300/400 level.
   b. Upper level may include 6 hours of Directed Studies / Research.
3. Three (3) additional hours of honors-level coursework.

To be certified for Honors Distinction in Forensic & Investigative Sciences no grade of D* or F* in any course on the transcript and no grade on the transcript of “D” or “F” in an honors class can be recorded. (An asterisk [*] on the transcript of a graduating student indicates that the student was given a grade penalty for academic dishonesty and the student did not complete the remediation program that is required in order to have the asterisk removed from such a student’s transcript.)
Honors Recognition and Graduation with Honors

All completed Honors coursework taken at Texas A&M University is designated as such on a student’s official transcript, showing that the student has taken part in this enhanced curriculum. After graduation, the transcript will designate that the student has achieved the distinction of “Forensic & Investigative Sciences Honors”, as well as any other University academic distinctions.

Admission to the Honors Program in Forensic & Investigative Sciences

Current and potential FIVS majors who have an overall GPA of ≥ 3.5 are eligible for admission to the Department Honors Program. Students are encouraged to consult with a member of the Departmental Academic Advising Team as early as possible in their academic career to plan their course sequence. A TAMU cumulative 3.5 GPA and a 3.25 GPA in Honors courses is required to graduate with FIVS Honors.

Grade Point Requirements

Participants in the Forensic & Investigative Sciences Honors Program must maintain a TAMU cumulative 3.5 GPA and a 3.25 GPA in Honors courses and no grade in an honors course below a “C”.

Professional Development

Students are highly encouraged to pursue additional University-level honors distinctions, certificates, and to participate in programs such as the Research Scholars Program through the Office of Honors and Undergraduate Research. Additional professional activities such as organizational memberships and participation in Student Research Week or other student oral presentation or poster competitions are strongly encouraged.
Minors, Double Major and Certificate

A minor is a great way to customize your studies. A minor consists of a group of specialized courses, totaling between 15 and 18 credit hours.

Minor in Entomology
The minor in Entomology is available to all students enrolled at Texas A&M University. The courses listed below constitute the minimum 17 hours required for a minor in Entomology.

A. Core Courses (8-9 hours):
   1. ENTO 201 General Entomology
      OR
      ENTO 208/209 Veterinary Entomology & Lab
   2. ENTO 482 Occupational and Professional Development
   3. ENTO 301 Biodiversity and Biology of Insects
      OR
      ENTO 322 Insects in Human Society

   (NOTE: Substitutions are not allowed for core courses.)

B. Directed Elective Courses (9 hours):
   Nine additional hours in 300 or 400 level ENTO courses are required. Students are encouraged to visit the Department of Entomology Academic Advisors in 404 Minnie Belle Heep Building (HPCT), West Campus, to select the appropriate directed elective courses based on their individual educational and career interests.

C. Prerequisite Courses:
   All prerequisites for each core and elective course also must be met. Prerequisite courses will not be applied to the minor requirements and do not count toward the number of hours needed to complete the minor. Please refer to the Texas A&M University Undergraduate Catalog for a listing of course prerequisites.

A GRADE OF ‘C’ OR BETTER IN EACH COURSE USED FOR THE MINOR IS REQUIRED.
Other Common Minors

If you find a minor that interest you, check the department’s website for any prerequisites, then contact an advisor in that department. This is a list of common minors and possible double majors/degrees obtained in the College of Agriculture and Life Sciences.

- Agribusiness Entrepreneurship
- Agricultural Economics
- Agricultural Leadership, Education and Communications
- Biochemistry and Biophysics
- Biological and Agricultural Engineering
- Ecosystem Science and Management
- Extension Education
- Horticultural Sciences
- International Development
- Nutrition and Food Science
- Plant Pathology and Microbiology
- Poultry Science
- Recreation, Park and Tourism Sciences
- Soil and Crop Sciences
- Wildlife and Fisheries Sciences
- Business (Minor through the Mays Business School)

There are several other minors that students pursue outside of the college such as: Chemistry, Biology, Psychology, Sociology, and Public Health to name a few.
Double Major in Entomology

The double major in Entomology is available to all students enrolled at Texas A&M University. The courses listed below constitute the minimum 20 hours required for a double major in Entomology.

A. Core Courses (8-9 hours):
   1. ENTO 201 General Entomology
      OR
      ENTO 208/209 Veterinary Entomology & Lab
   2. ENTO 482 Occupational and Professional Development
   3. ENTO 301 Biodiversity and Biology of Insects
      OR
      ENTO 322 Insects in Human Society

   (NOTE: Substitutions are not allowed for core courses.)

B. Directed Elective Courses (12 hours):
   Twelve additional hours in 300 or 400 level ENTO courses are required. Students are encouraged to visit the Department of Entomology Academic Advisors in 404 Minnie Belle Heep Building (HPCT), West Campus, to select the appropriate directed elective courses based on their individual educational and career interests.

C. Prerequisite Courses:
   All prerequisites for each core and elective course also must be met. Prerequisite courses will not be applied to the minor requirements and do not count toward the number of hours needed to complete the double major. Please refer to the Texas A&M University Undergraduate Catalog for a listing of course prerequisites.

A CUMMULATIVE GPA OF A 2.0 OR BETTER FOR THE DOUBLE MAJOR IS REQUIRED
Certificate in Public Health Entomology

A certificate program can also help you obtain specialization in an academic area. Similar to a minor, a certificate requires taking a group of related courses. Our advisors can help you decide if a certificate program would benefit you.

Students thinking of going to professional school in one of the following fields may consider obtaining the Certificate in Public Health Entomology:

- Public Health Field
- Medical School
- Nursing School
- Veterinary School
- Professional School (Dental, Pharmacy, PT)
- Law School
- Graduate School

ELIGIBILITY TO APPLY:
1. Completion of a minimum of one (1) Course from Category I and II with a grade of “B” or better and a cumulative TAMU GPA of 2.0+
2. Students must complete and submit application before completion of 75 credit hours.

<table>
<thead>
<tr>
<th>Category I – Select one of the 3 credit hour courses</th>
<th>Category III – Select one of the 3 credit hour courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>- ENTO 210 – Global Public Health Entomology (FALL/SPRING)</td>
<td>- ENTO 403 – Urban Entomology (SPRING)</td>
</tr>
<tr>
<td>- BESC 314 – Pathogens, the Environment &amp; Society</td>
<td>- HLTH 354 – Medical Terminology for Health Professions</td>
</tr>
<tr>
<td>- VTPB 221 – Great Diseases of the World</td>
<td>- VIBS 204 – Food Toxicology &amp; Safety</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Category II – Must complete both courses</th>
<th>Category IV – Required Capstone Course*</th>
</tr>
</thead>
<tbody>
<tr>
<td>- ENTO 208/209 – Veterinary Entomology (FALL/SPRING)</td>
<td>- ENTO 425 – Disease Ecology (SPRING)</td>
</tr>
<tr>
<td>- ENTO 423 – Medical Entomology (FALL/SPRING)</td>
<td>- ENTO 426 – Field Techniques (EVERY OTHER SPRING)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Category III</th>
<th>Category IV</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENTO 403 – Urban Entomology (SPRING)</td>
<td>ENTO 425 – Disease Ecology (SPRING)</td>
</tr>
<tr>
<td>HLTH 354 – Medical Terminology for Health Professions</td>
<td>ENTO 426 – Field Techniques (EVERY OTHER SPRING)</td>
</tr>
<tr>
<td>VIBS 204 – Food Toxicology &amp; Safety</td>
<td>VIBS 413 – Introduction to Epidemiology</td>
</tr>
<tr>
<td>VIBS 432 – Public Health Practices OR PHLT 302 Foundations of Public Health</td>
<td>VIBS 301/WFSC 327 – Wildlife Diseases</td>
</tr>
<tr>
<td>VTPB 409 – Introduction to Immunology</td>
<td>VTPB 409 – Introduction to Immunology</td>
</tr>
</tbody>
</table>

*Required Capstone Course
To Complete the Certification, Students Must:

- Successfully complete courses in Category I-III **PRIOR** to enrollment in Category IV Course*
- Complete all courses within the certification with a minimum grade of “C”
- Earn a cumulative 3.0+ GPA within the certificate courses
- Complete exit survey
- Meet the minimum qualifications for graduation as defined by Texas A&M University including a 2.0 cumulative GPA
High Impact Opportunities

High-impact learning happens when students are actively engaged in the educational process, when their learning goes beyond the classroom to be applied in their personal and work lives. High-impact learning immerses you in hands-on experiences, the ability to work closely with diverse individuals along with classwork. Students engaged in high-impact learning often see improvement in grade point averages and are more engaged in their education.

High-impact Opportunities include:

- Study Abroad
- Internships
- Undergraduate Research
- Field Trips
- Learning Communities
- Collaborative Projects
- Diversity/Global Learning
- Honors Programs

The Department of Entomology has its own faculty-led study abroad programs, which students can participate and learn about new cultures and environments related to the field of entomology. We have many diverse internships that are presented to the students throughout the year along with abundant support from our faculty to engage students in undergraduate research.
<table>
<thead>
<tr>
<th>Entomology Career Opportunities</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Medical-Veterinary</strong></td>
</tr>
<tr>
<td>– Centers for Disease Control</td>
</tr>
<tr>
<td>– U.S. Public Health Service</td>
</tr>
<tr>
<td>– Medical Service Corps, U.S.</td>
</tr>
<tr>
<td>– Armed Forces</td>
</tr>
<tr>
<td>– Mosquito Control Districts</td>
</tr>
<tr>
<td>– Supply Companies</td>
</tr>
<tr>
<td>– Animal Health Companies /</td>
</tr>
<tr>
<td>Pharmaceuticals</td>
</tr>
<tr>
<td><strong>Crop Protection</strong></td>
</tr>
<tr>
<td>– Agro-Chemical / Pharmaceutical</td>
</tr>
<tr>
<td>Companies</td>
</tr>
<tr>
<td>– Seed Companies</td>
</tr>
<tr>
<td>– Research and Development</td>
</tr>
<tr>
<td>– Sales and Marketing</td>
</tr>
<tr>
<td>– Agricultural Consulting Services</td>
</tr>
<tr>
<td><strong>Conservation/Biodiversity</strong></td>
</tr>
<tr>
<td>– Federal and State Agencies</td>
</tr>
<tr>
<td>– Private Foundations</td>
</tr>
<tr>
<td>– Museums – Institutions</td>
</tr>
<tr>
<td><strong>Educating Our Youth</strong></td>
</tr>
<tr>
<td>– K-12 Classrooms</td>
</tr>
<tr>
<td>– Texas Cooperative Extension</td>
</tr>
<tr>
<td>– Higher Education</td>
</tr>
<tr>
<td><strong>International Policy</strong></td>
</tr>
<tr>
<td>– USDA, APHIS</td>
</tr>
<tr>
<td>– Homeland Security</td>
</tr>
<tr>
<td>– EPA</td>
</tr>
<tr>
<td>– FDA</td>
</tr>
<tr>
<td>– Food Quality Assurance</td>
</tr>
<tr>
<td>– Legal</td>
</tr>
</tbody>
</table>

**Urban-Landscape**

– General Pest Management (Arthropods, Rodents & Birds)
– Lawn and Ornamental Pest Mgmt.
– Termite Pest Management
– Fumigation and Wood Preservation
– Forensic Structural Entomology
– Residential Pest Control Companies
– Commercial Pest Control Companies
  • Warehousing and Production
  • Hospitals, Nursing Facilities, Restaurants
– Consulting Companies
– Continuing Education and Training
Forensic & Investigative Sciences Career Opportunities

There is no single path that guarantees a career in forensic science. Competitive candidates must demonstrate the knowledge, skills, and abilities that are important to the field. Forensic scientists must be able to apply scientific principles to civil or criminal cases and communicate effectively in the courtroom.

Forensic scientists work in crime laboratories and medical examiner’s laboratories where they handle, analyze, and interpret scientific findings.

Some of the types of Forensic Scientists Disciplines include:

- Anthropology
- Criminalistics
- Digital & Multimedia Sciences
- Engineering Sciences
- Forensic Entomology
- Jurisprudence
- Odontology
- Pathology/Biology
- Psychiatry & Behavioral Science
- Questioned Documents
- Toxicology

Forensic scientists work in laboratories, at crime scenes, in offices, in classrooms, and in morgues. Their responsibilities may include field work – domestically or abroad, in various locales and in varying climates. They may work for federal, state, and local governments; international organizations; public and private laboratories; medical examiners offices; hospitals; universities; police departments; or as independent forensic science consultants.
Advanced Degrees

The Master of Science and Doctor of Philosophy degrees in Entomology are offered with academic education and research training appropriate to thesis and dissertation projects addressing a wide array of subject matter areas. The Department of Entomology strives to produce graduates with the relevant education and skills necessary to advance knowledge and provide solutions to the multifaceted problems involving insects in society and the environment. Through coursework, research, and hands-on experience, the Department offers an integrated entomology curriculum that spans core life science knowledge while including specialized training in topics unique to insects and their relatives.

Preparation for Medical & Veterinary School

**BACHELOR OF SCIENCE IN ENTOMOLOGY**
Meet all Medical School Requirements
Meet all but 2 Veterinary School Requirements

Required Courses that meet Medical and Veterinary School Requirements:

- 2 semesters of English
- 1 semester of Technical Writing
- 2 semesters of Introductory Biology with lab
- 2 semesters of Inorganic Chemistry with lab

Technical Electives that meet Medical and Veterinary School Requirements:

- 1 semester of Statistics
- 2 semesters of Organic Chemistry with lab
- 2 semesters of Physics with lab
- 2 semesters of upper-level Biology
- 1 semester of Biochemistry
- 1 semester of Genetics
- 1 semester of General Microbiology with lab
- 1 semester of Animal Nutrition or Feeds & Feeding
- 1 semester of Communication
BACHELOR OF SCIENCE IN FORENSIC AND INVESTIGATIVE SCIENCES – SCIENCE EMPHASIS
Meets all Medical School Requirements
Meets all but 3 Veterinary School Requirements

Required Courses that meet Medical and Veterinary School Requirements:

- 2 semesters of English
- 2 semesters of Introductory Biology with lab
- 2 semesters of Inorganic Chemistry with lab
- 2 semesters of Organic Chemistry with lab
- 2 semesters of Physics with lab
- 1 semester of Biochemistry
- 1 semester of Genetics
- 1 semester of Statistics

Directed Electives that meet Medical and Veterinary School Requirements:

- 2 semesters of upper-level Biology
- 1 semester of General Microbiology with lab

Professional School Programs

- Medical School
- Veterinary Medicine
- Dental School
- Pharmacy School
- Physical Therapy School
- Allied Health
- Nursing School
- Law School
Student Organizations

Undergraduate Entomology Student Organization (UESO)

The mission of the UESO is to further the knowledge of matters concerning entomology. UESO is open to all Texas A&M undergraduates who are interested in entomology, regardless of their major. UESO fosters the interests of the undergraduate students to promote and support academic and social activities of interest to undergraduate students, and serve as liaison between the faculty and staff of the Department of Entomology and other related organizations, and the graduate students.

Aggie Forensic and Investigative Sciences Organization (AFIS)

This Aggie Forensic and Investigative Sciences Organization provides hands on experiences in an effort to create a better understanding of Forensic Science and all fields that apply to it. AFIS is a student-run organization established to spread knowledge to the community and all those with an interest in Forensic Science and is open to both graduates and undergraduates at Texas A&M University. AFIS hosts guest speakers with various forensic science experience. Past speakers include Crime Scene Investigators, Forensic Entomologists, Forensic Toxicologists, NCIS agents, FBI agents, Narcotics Investigators, Latent Print Examiners, Soil Scientists, Firearms and Toolmark Analysts, former CIA Agents, Arson Investigators, Forensic Anthropologists, and many others. Members also participate in many campus events such as The Big Event, Relay for Life, Aggieland Saturday, MSC Open House, and Science Night at local schools.

Department of Entomology Scholars Society

The Department of Entomology Scholars Society is an organization developed to help students expand their skills in leadership and outreach through the enhancement of undergraduate activities and functions. Scholars provide valuable feedback through their roles as liaisons between faculty, staff, students, and prospective students. Each Scholar participates in undergraduate activities as representatives of the Department as a
whole; serving as hosts to prospective students, their parents, and other campus visitors.

**COALS Council**

The College of Agriculture and Life Sciences Student Council is a professional organization that serves as a liaison between students, faculty, and the Dean in the College of Agriculture and Life Sciences. COALS council represents the nearly 8,000 students within the college through service activities, networking opportunities, professional development, and opportunities for funding through scholarships and grants.

**Collegiate FFA/4-H**

The Texas A&M Collegiate 4-H Club, established in 2009, is one of two collegiate 4-H organizations in the state. The club aspires to offer members quality career and professional development experiences, including a scholarship program, in addition to opportunities to serve 4-H, and non-4-H programs, in the Brazos Valley area and the State of Texas. They strive to meet these goals through a minimum of two social, two service, and two fundraising opportunities every semester. TAMU Collegiate 4-H is open to all Aggies regardless of 4-H experience, major, or classification and welcomes new members at any time.

**Farmers Fight**

This organization was born in 2011 when students in the College of Agriculture and Life Sciences at Texas A&M became upset about articles published in their campus newspaper and yahoo.com that negatively portrayed the agriculture industry. Students were convinced that it was necessary to stand up for agriculture in a way that the public could easily understand. Through community and campus outreach events, social media campaigns and representation at a number of prestigious conferences over the past year and a half, the group has grown tremendously while keeping the mission and vision of its foundation at heart.

Farmers Fight puts on an Agricultural Advocacy Conference every year in the
spring, during which they advocate for agriculture all day on campus. They have several committees join that each have their own job, they set up booths at events such as Artist Harvest and Ag Culture Day. Farmers Fight also travels to elementary schools to talk about livestock and agriculture.

**Freshman Leadership Experience (FLE)**

Freshman Leadership Experience (FLE) is a Freshman Leadership Organization (FLO) exclusively for freshmen in the College of Agriculture and Life Sciences.

The organization was founded in 2008 with the goals to enhance the leadership skills of freshmen, build professional skills, and emphasize the importance of selfless service. This allows the freshman to network with each other in the organization and throughout the college.

**Gamma Sigma Delta**

Gamma Sigma Delta is an honor society dedicated to recognizing your academic achievements and/or accomplishments as a student, faculty member, alumnus, or industry and university supporter. Student election to the Society is more than an honor. It is a challenge and an obligation to contribute to the understanding and furthering of agriculture and related sciences which are expanded to include, but are not limited to, forestry, natural resources, statistics, human ecology, and veterinary medicine.

The purposes of Gamma Sigma Delta are to promote and to recognize achievements of individuals who excel. Membership in Gamma Sigma Delta is often recognized by recruiters, colleagues and foreign and domestic governments as an indicator of exceptional academic and/or professional performance.

For listing of all student organizations please visit the Student Life website:

[http://www.tamu.edu/student-life](http://www.tamu.edu/student-life)
Texas A&M University Common Contact Information

Admissions
• Phone: 979-845-1060
• Email: admissions@tamu.edu

Scholarships & Financial Aid
• Phone: 979-845-3982 (Scholarships)
• Email: scholarships@tamu.edu
• Phone: 979-845-3236 (Financial Aid)
• Email: financialaid@tamu.edu

Prospective Student Center
• Phone: 979-458-0950
• http://admissions.tamu.edu/psc

Transportation Services
• Phone: 979-862-7275
• http://transport.tamu.edu

Housing
• Residence Life
• http://reslife.tamu.edu

Disability Services
• Phone: 979-845-1637
• http://disability.tamu.edu

Student Business Services
• Phone: 979-847-3337
• http://sbs.tamu.edu

For general information, please visit www.tamu.edu.