PLANT AND SOIL SCIENCES

WHAT IS PLANT AND SOIL SCIENCES?
The goal of plant and soil sciences is to meet society’s need for food, feed, fiber and fuel through the conservation and management of plant and soil resources. Students work alongside faculty who contribute to biotechnology, crop production, environmental remediation, plant breeding and genetics, plant physiology, soil chemistry, soil nutrient management, soil physics, water quality and weed science.

WHY STUDY PLANT AND SOIL SCIENCES?
If you want to be part of one of the most rapidly growing industries in the world, help produce a stable and safe food supply or protect and utilize our nation’s greatest natural resource – soil – a degree in plant and soil sciences may be for you! The current job market for degree holders in plant and soil sciences remains very strong with current signs pointing to continued growth in the future. As a plant and soil sciences student, you will experience field-based classes, numerous laboratory experiments, non-traditional classroom settings and hands-on learning. Along with institutional instruction, our internship program will build your professional network, help you develop technical skills and prepare you for the workforce.

FINISH IN 4
For each undergraduate degree program in CASNR, we have prepared example plans of how you may successfully complete your degree plan in four years.

TUCKER COGBURN
Abernathy, Texas

“Plant and soil sciences is a really hands-on program. The major offers a variety of classes that get you out in the field looking at things you’re going to deal with in your profession.”

Where Do You See Yourself?
Agronomic sales representative
Biotechnology
Crop consultant
Environmental consultant
Environmental scientist
Extension specialist
Farm/ranch manager
Humanitarian agricultural assistance
Plant breeder
Precision agriculture specialist
Research scientist/technician/manager
Soil conservationist

COLLEGE OF AGRICULTURAL SCIENCES AND NATURAL RESOURCES
Oklahoma State University
136 Agricultural Hall | Stillwater, OK 74078
405.744.5395 | casnr.okstate.edu | admissions.okstate.edu
**Major Options**

Within plant and soil sciences, you have the option to select a predefined emphasis area and work with your faculty advisor to customize your plan of study.

**AGRONOMIC BUSINESS**
Students under this option will be equipped with a practical agronomic background and will be provided with key business management and economic concepts vital to agribusiness success.

**CROP PRODUCTION AND MANAGEMENT**
This option is designed for students whose interest is in growing crops and forage and who are passionate about fulfilling the food, feed, fiber and fuel needs of a growing planet.

**PLANT BIOTECHNOLOGY AND IMPROVEMENT**
Students interested in improving crops to adapt to changing environments through traditional crop breeding or plant biotechnology should choose this option.

**SOIL AND WATER RESOURCES**
Students interested in how applications of soil science can improve crop production, environmental quality and engineering will be a good fit in this option.

**OKLAHOMA STATE UNIVERSITY**

College of Agricultural Sciences and Natural Resources
Department of Plant and Soil Sciences
Plant and Soil Sciences Major

**FAST FACT**
Currently, wheat varieties developed by OSU total about 3.1 million acres of wheat and account for more than 45 percent of Oklahoma wheat acres.

**HIGHLIGHT**
The Department of Plant and Soil Sciences is a leader in the field of precision agriculture with the development and implementation of the GreenSeeker and Canopeo technologies.

**Department of Plant and Soil Sciences**

**A STRONG NETWORK**
Students in the department have access to a strong student network and peer support group. They have the opportunity to interact with and work alongside faculty members in research and Extension activities in both formal and informal settings.

**SCHOLARSHIP DOLLARS**
The Department of Plant and Soil Sciences awarded more than $170,000 in scholarships to undergraduate students in the department this year.