The Department of Plant Science and Landscape Architecture (PSLA) educates students in cutting edge science focusing on sustainable food (fruit, vegetable, and grain), ornamental crops, fiber and fuel production, designing environmentally sustainable landscapes that benefit human health, educating the extension educators of the future, and conducting fundamental plant-based research to solve pressing worldwide issues such as mitigating climate change, promoting food nutrition, safety, and access, protecting our environmental resources, and maximizing crop yield through PSLA's three majors. Students interested in sustainable fruit, vegetable, grain, feed, fuel, and fiber production (agronomy and environmental horticulture), controlled environment and urban agriculture, ornamental crop production (environmental horticulture), and agricultural extension education enroll in the 'Agricultural Science and Technology' major. Students interested in conducting fundamental research using cutting-edge techniques and technologies in molecular biology and genetics, plant breeding, plant pathology, ecology, food safety and plant physiology to solve critical issues in agriculture, turfgrass science, forestry, plant growth and development, and protecting our environment enroll in the 'Plant Sciences' major. Students interested in designing and planning built environments that minimize negative environmental impacts, restore natural ecosystems and positively impact human health interested in becoming landscape architect professionals enroll in the 'Landscape Architecture' major.

Programs

Majors

- Agricultural Science and Technology Major (https://academiccatalog.umd.edu/undergraduate/colleges-schools/agriculture-natural-resources/plant-sciences-landscape-architecture/agricultural-science-technology-major/)
- Landscape Architecture Major (https://academiccatalog.umd.edu/undergraduate/colleges-schools/agriculture-natural-resources/plant-sciences-landscape-architecture/landscape-architecture-major/)
- Plant Science Major (https://academiccatalog.umd.edu/undergraduate/colleges-schools/agriculture-natural-resources/plant-sciences-landscape-architecture/plant-sciences-major/)

Minor

- Agricultural Science and Technology Minor (https://academiccatalog.umd.edu/undergraduate/colleges-schools/agriculture-natural-resources/plant-sciences-landscape-architecture/agricultural-science-technology-minor/)