PLANT SCIENCE AND
LANDSCAPE ARCHITECTURE

College of Agriculture and Natural Resources
2139 Plant Sciences Building
Phone: 301-405-4359
dcortez@umd.edu
psla.umd.edu (http://psla.umd.edu)

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, controlled environment agriculture and maximizing crop yield through PSLA’s three majors. Students interested in sustainable fruit, vegetable, grain, feed, fuel, and fiber production and research (agronomy and environmental horticulture), controlled environment crop production (including hydroponic, 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 Sciences 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/)
• Landscape Management Minor (https://academiccatalog.umd.edu/undergraduate/colleges-schools/agriculture-natural-resources/plant-sciences-landscape-architecture/landscape-management-minor/)

ADVISING

The department has mandatory faculty advising for each of its major and minor programs. Students are required to meet with their faculty advisor at least twice a year.

Faculty Advisors

<table>
<thead>
<tr>
<th>Concentration</th>
<th>Faculty Advisor</th>
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</thead>
<tbody>
<tr>
<td>AGST: Agronomy</td>
<td>Bill Phillips, <a href="mailto:billii@umd.edu">billii@umd.edu</a></td>
</tr>
<tr>
<td>AGST: Agricultural and Extension Education</td>
<td>Melissa Welsh, <a href="mailto:drmwelsh@umd.edu">drmwelsh@umd.edu</a></td>
</tr>
<tr>
<td>AGST: Environmental Horticulture</td>
<td>Diana Cochran, <a href="mailto:cochrand@umd.edu">cochrand@umd.edu</a></td>
</tr>
<tr>
<td>Landscape Architecture</td>
<td>Dennis Nola, <a href="mailto:dnola@umd.edu">dnola@umd.edu</a></td>
</tr>
<tr>
<td>PLSC: Plant Biology</td>
<td>Gary Coleman, <a href="mailto:gcoleman@umd.edu">gcoleman@umd.edu</a></td>
</tr>
<tr>
<td>PLSC: Turf &amp; Golf Course Management</td>
<td>Mark Carroll, <a href="mailto:mcarroll@umd.edu">mcarroll@umd.edu</a></td>
</tr>
<tr>
<td>PLSC: Urban Forestry</td>
<td>Joseph Sullivan, <a href="mailto:jsull@umd.edu">jsull@umd.edu</a></td>
</tr>
<tr>
<td>Agricultural Science &amp; Technology (Minor)</td>
<td>Bill Phillips, <a href="mailto:billii@umd.edu">billii@umd.edu</a>; Diana Cochran, <a href="mailto:cochrand@umd.edu">cochrand@umd.edu</a></td>
</tr>
<tr>
<td>Landscape Management (Minor)</td>
<td>Mark Carroll, <a href="mailto:mcarroll@umd.edu">mcarroll@umd.edu</a></td>
</tr>
<tr>
<td>General Inquiries</td>
<td>Diana Cortez, <a href="mailto:dcortez@umd.edu">dcortez@umd.edu</a></td>
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See Diana Cortez, Lecturer & Academic Advisor for Undergraduate Studies, in 2139 Plant Sciences Building (301-405-4359), or email dcortez@umd.edu for additional information.

OPPORTUNITIES

Undergraduate Research Experiences

Students have abundant opportunities to conduct research with faculty from this department as well as related programs on campus. Research opportunities are also available at government laboratories such as USDA, NIH, etc.

Internships

A great variety of internships are available that range from with scientists at nearby federal and state agencies, to working with farmers, greenhouse growers and fruit and vegetable producers, to working with landscape architecture and urban planning professionals.

Student Societies and Professional Organizations

Students from the majors as well as any interested students on campus may participate in the Horticulture, Agronomy, and Student Chapter of the American Society of Landscape Architects (SASLA) clubs sponsored by the Department of Plant Science and Landscape Architecture.

Scholarships and Financial Assistance

Many scholarships and awards are available to PSLA students. Contact the Associate Dean’s office at 301-405-2078 for additional information. The department also maintains a listing of scholarships. Contact the executive administrative assistant in 2104A Plant Sciences, 301-405-4356 for additional information on these scholarships.

The Office of Student Financial Aid (OSFA) administers all types of federal, state and institutional financial assistance programs and, in cooperation with other university offices, participates in the
awarding of scholarships to deserving students. For information, visit: financialaid.umd.edu (http://financialaid.umd.edu).