PRECISION AGRICULTURE UNDERGRADUATE ACADEMIC CERTIFICATE

Code	Title	Hours
ASM 240	Computer Applications in Biophysical Systems	3
ASM 305	GPS and Precision Agriculture	3
ASM 409	Agricultural Tractors, Power Units and Machinery Management	3-4
or ASM 405	Precision Agriculture Science and Technology	
ASM 498/499	Internship	1-3
REM 475	Remote Sensing Application with Unmanned Aerial Systems (UAS)	3
Total Hours		**13-16**

Courses to total 13 credits for this certificate.

1. Students familiar with methods of precision agriculture as applied to cropping systems, nutrient management, and water management/ irrigation.
2. Students able to assess new technologies and objectively evaluate feasibility and benefits of precision agriculture technologies.
3. Students familiar with precision application implements, remote sensing, drones, and farm-data management software.
4. Students understand the social, economic, regulatory, and environmental context of agriculture, and identify the role of precision agriculture in addressing related challenges.