

Unmanned Systems Associate in Applied Science

Precision Agriculture



Take a
3D tour of
our labs.

Curriculum Requirements

Communications

Credits: 6

ENG 140	English Composition I	3
COM 107	Technical Writing	3

Mathematics-Science-Technology Credits: 9

MAT 104	Technical Math	3
UAS 203	Meteorology	3
UAS 211	Intro to Robots & Programming	3

Humanities or Social Science Credits: 6

UAS 202	Intro to Digital Photography	3
UAS 102	UAS Standards, Regulations & the Law	3

Career Courses Credits: 39

UAS 101	Unmanned Systems	3
UAS 103	UAS Flight Simulation	3
UAS 105	Remote Pilot Operations (Part 107)	3
UAS 106	Unmanned Aircraft Systems Safety & Security	3
UAS 108	UAS Maintenance & Repair	3
UAS 109	Crew Resource Management for UAS	3
UAS 114	UxS for Precision Agriculture	3
UAS 115	Soil Fertility and Plant Nutrient Management	3
UAS 116	Precision Farming Technology	3
UAS 204	Introduction to Geographic Information Systems	3
UAS 209	UAS Photogrammetry, Remote Sensing & Analysis	3
UAS 210	UxS Capstone Project	3
UAS 212	Advanced Remote Sensing & Infrared Thermography	3

Credits Needed for Degree 60

Recommended Course Sequence

First Semester

Credits: 15

MAT 104	Technical Math	3
UAS 101	Unmanned Systems	3
UAS 102	UAS Standards, Regulations, & Law	3
UAS 103	UAS Flight Simulation	3
UAS 114	UxS for Precision Agriculture	3

Second Semester

Credits: 15

COM 107	Technical Writing	3
ENG 140	English Composition I	3
UAS 105	Remote Pilot Operations (Part 107)	3
UAS 106	Unmanned Aircraft Systems Safety & Security	3
UAS 209	UAS Photogrammetry, Remote Sensing, & Analysis	3

Third Semester

Credits: 15

UAS 109	Crew Resource Management for UAS	3
UAS 115	Soil Fertility and Plant Nutrient Management	3
UAS 116	Precision Farming Technology	3
UAS 202	Introduction to Digital Photography	3
UAS 211	Intro to Robots & Programming	3

Fourth Semester

Credits: 15

UAS 108	UAS Maintenance & Repair	3
UAS 203	Meteorology	3
UAS 204	Intro to Geographic Information Systems	3
UAS 210	UxS Capstone Project	3
UAS 212	Advanced Remote Sensing & Infrared Thermography	3

To get more information and discuss your goals or arrange a visit contact **Sarah Van Horn** at svanhorn@warren.edu or call **908-835-4025**. To catch up on what we've been doing go to www.warren.edu/uas-news/



Dr. Joseph Warren Robotics Research Center
445 Marshall Street, Phillipsburg, NJ 08865
Flight Training Center
475 Route 57 West, Washington, NJ 07882

Unmanned Systems Associate in Applied Science Precision Agriculture

The Associate in Applied Science Unmanned Systems - UxS Precision Agriculture degree option is primarily designed and intended to prepare students for a fast-growing industry within the agriculture space. Students will get hands on experience with advanced systems intended for mapping and spraying fields, as

well as monitoring crop fields and livestock with cutting-edge sensors. The goal is to teach students how to get the proper certifications necessary to operate at scale in the UxS agriculture space, while creating knowledgeable professionals in both aviation and agriculture practices.

Notes

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Warren
Community College

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