PROFESSIONAL MASTER'S IN DIGITAL NATURAL RESOURCES

INSTITUTE FOR DIGITAL FORESTRY
PURDUE UNIVERSITY

Purdue University's Institute for Digital Forestry (iDiF) is excited to introduce our upcoming Professional Master's Degree in Digital Natural Resources.

Designed to equip you with advanced skills in Unoccupied Aerial Systems (UAS) operations, photogrammetry, LiDAR, sensor arrays, and laser scanning.

You'll gain hands-on experience with state-of-the-art tools and methodologies, positioning you at the forefront of the digital age in forestry and natural resources.

Interested?

Pathways
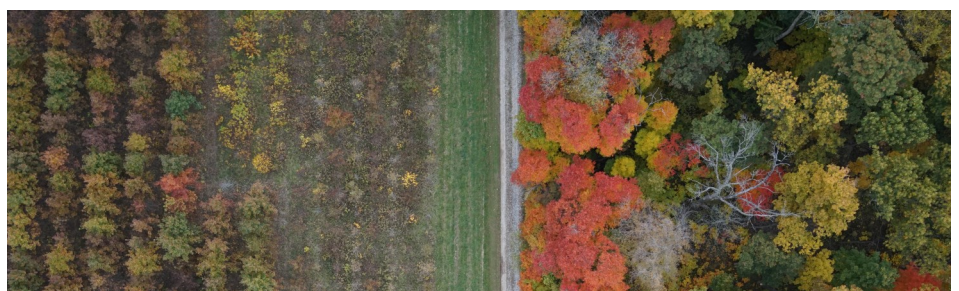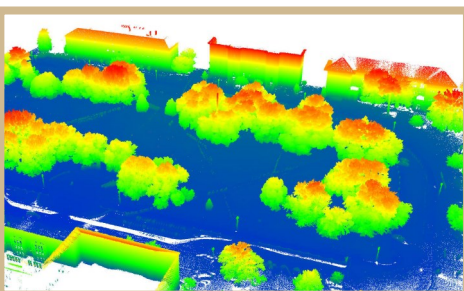Online (Professionals)
Residential (Graduate and 4+1 Undergraduate)

Certificates
Digital Data Acquisition
Geographic Information Systems (GIS)

Project
In-depth, hands-on project experience

PURDUE UNIVERSITY® | Institute for Digital Forestry

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PROGRAM ENTRANCE REQUIREMENTS:

1. B.S. in or 5 years experience post-B.S. in: natural resources, ecology, forestry, wildlife or similar

2. 6 credits of junior-level or higher in statistics and/or programming/coding

3. 3.00 GPA (2.75 GPA with experience)

	Online Pathway (Professionals)	Residential Pathway (Graduate & 4+1 Undergraduate)
Prep (2 credits)	UAS basic operations & licensing (2 cr)	
Digital Data Acquisition Certificate (12 credits)	Residential Camp (4 cr) • FNR 56010 UAS Field Operations (1 cr) • FNR 56020 Photogrammetry (1 cr) • FNR 56030 LiDAR (1 cr) • FNR 56040 Sensor Arrays (1 cr) Selectives (8 cr) • CE 50301 Digital Photogrammetric Systems (3 cr) • CE 50400 Laser Scanning (3 cr) • CE 50500 UAS-Based Mapping: Basic Principles [Module 1] (1 cr) • CE 50501 UAS-Based Photogrammetric Mapping [Module 2] (1 cr) • CE 50502 UAS-Based LiDAR Mapping [Module 3] (1 cr) • FNR 47100 Environmental Sensors (1 cr)	
Geographical Information Systems (12 credits)	Spatial Data Sciences Certificate • ASM 54000 GIS Application (3 cr) • FNR 58700 Advanced Spatial Ecology & GIS (3 cr) • ABE 65100 Environmental Informatics (3 cr) • AGRY 54500 Remote Sensing of Land Resources (3 cr)	GIS Graduate Certificate • Introductory Course (3 cr) • Advanced Topics Course (3 cr) • Applied Course (3 cr) • Project-based (3 cr)
Ethics (1 credit)	Data & AI Ethics (1 cr)	
Project (6 credits)	Independent Study	