



**Department of Soil, Water  
and Ecosystem Sciences**

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updated!*

Register here to receive updates and information about this certificate opportunity: [soils.ifas.ufl.edu/sws-online/sws-fertilizer-certificate](https://soils.ifas.ufl.edu/sws-online/sws-fertilizer-certificate)



*Coming Soon*

**UF/IFAS Fertilizer Science  
and Technology Graduate  
Certificate Program**



Build your skills and knowledge through continuing education by earning the new UF/IFAS Fertilizer Science and Technology Graduate Certificate. Currently in final stages of development, the certificate will be offered through UF/IFAS Department of Soil, Water and Ecosystem Sciences and will deliver to the fertilizer industry professionals and others with an interest in nutrient management. The certificate could be rolled into a M.S. degree at a later date if desired.

Professionals who should consider this program include fertilizer industry formulators and sales agents, agricultural producers and consultants, and state regulators.

## Why now?

Increasing unpredictability in precipitation patterns and other environmental factors often lead to modifications of prior crop management practices. Fertilizers and application methods themselves have changed during the past few decades. Integrating new fertilizer technology can be used to improve nutrient uptake efficiency to provide adequate fertilizer nutrients and protect the environment. Keeping up with new knowledge in this area will benefit agriculture and the environment as well.

Students will learn about soil nutrient interactions, irrigation effects of nutrient leaching, improved interpretation of soil test-based fertilizer recommendations, and technology-based fertilizer formulations to reduce environmental impacts of agriculture.

### Tuition & Fees *(Fall 2021 - Summer 2022)*

The current University of Florida tuition is \$542.57 per credit hour for graduate Certificate courses (Course Level 5000 - 9999). This tuition also applies to self-funded non-Florida residents at graduate level. Please note that tuition and fees are subject to an increase and are reviewed in late June/early July for the upcoming academic year.

## Fertilizer Science and Technology – Curriculum

*(total 12 credits)*

The UF/IFAS Fertilizer Science and Technology Graduate Certificate is a 12 credit hour online certificate that takes 12-18 months, depending on the student's chosen schedule.

### Required courses *(9 credits)*

- SWS 5115 – Environmental nutrient management – 3 credits (online) even Spring semesters
- SWS 6136 – Soil Nutrient Diagnostics for Ag Production – 3 credits (online) Summer
- SWS 6117 – Fertilizer Technology, Production and Use

### Electives *(choose one)*

- SWS 5234 Environmental soil, water, and land use – 3 Credits (online)
- SWS 6134 Soil quality – 3 Credits (online)
- AGR 6422C Environmental crop nutrition – 3 Credits (online)
- HOS 6412 Nutrition of horticultural crops – 3 Credits (online)

## When can I enroll?

The formal certificate is expected to be available by Fall 2022, but you can begin your courses now to apply them to the certificate. Visit [soils.ifas.ufl.edu/sws-online/sws-fertilizer-certificate](https://soils.ifas.ufl.edu/sws-online/sws-fertilizer-certificate) for more information.