

# SUSTAINABLE ENERGY DEVELOPMENT GRADUATE CREDIT CERTIFICATE PROGRAM

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| <b>Person-in-Charge</b> | Erich Schienke |
| <b>Program Code</b>     | SED            |
| <b>Campus(es)</b>       | World Campus   |

The Graduate Certificate in Sustainable Energy Development is tailored for professionals seeking to influence the future of energy through sustainable practices. Students will learn to conduct nuanced ethical analyses to weigh the pros and cons of various energy development pathways. Sustainability assessment forms a core part of the curriculum, enabling students to critically compare different energy resources. Students will develop a clear understanding of the sustainability profiles of various energy types, considering their environmental impacts, efficiency, and long-term viability. By gaining a comprehension of the ecosystem of energy development, students will also learn to identify and describe all relevant stakeholders in energy projects. This includes recognizing the roles, interests, and potential impacts on communities, governments, investors, and the environment. By completing the Graduate Certificate in Sustainable Energy Development, students will emerge as well-informed professionals capable of leading the transition towards more sustainable energy systems, grounded in ethical principles, sustainability, and stakeholder engagement.

Courses taken in the certificate program may be applied toward the Master of Professional Studies in Renewable Energy and Sustainability Systems (RESS) if the student has earned a B- or better in each course, subject to restrictions outlined in GCAC-309 Transfer Credit (<http://gradschool.psu.edu/graduate-education-policies/gcac/gcac-300/transfer-credit>). Certificate students who wish to have certificate courses applied towards the M.P.S. in RESS must apply and be admitted to that degree program. Admission to the RESS graduate degree program is a separate step and is not guaranteed.

**Effective Semester:** Spring 2025

**Expiration Semester:** Spring 2030