

Earn a Certificate in Nuclear Power Technology

What is it? This credential is awarded by the ***Nuclear Power Institute at Texas A&M University*** upon the successful completion of 12 credits of coursework. The courses are 100% online; you can participate in live online lectures; or watch video streams of archived lectures. UNT will provide additional resources for face-to-face sessions to answer students' questions, and to provide laboratory exercises and other hands-on experiences.

What are the courses? The required TAMU courses are:

1. Nuclear Power Plant Fundamentals: NUEN 432 - (3 credits)
2. Nuclear Power Plant Operations: NUEN 435 - (4 credits)
3. Human Performance For Nuclear Power Plant Engineers: NUEN 436 – (2 credits)

Plus one of the courses below:

1. Nuclear Power Plant Systems: Pressurized Water Reactors: NUEN 433 – (3 credits)
2. Nuclear Power Plant Systems: Boiling Water Reactors: NUEN 434 – (3 credits)

When is it offered? Starting in Spring 2015 with NUET 3910 Principles of Nuclear Technology (NUEN 432) and NUET 4900 Special Problems (NUEN 436). These online classes can be done at your convenience. The on-campus component at Discovery Park is established by the first week of classes. The on-going plan is to offer two NUET courses each long semester so the certificate can be completed in one academic year.

What are the pre-requisites? Students pursuing a degree in many fields particularly engineering or science are qualified to take advantage of this certificate. Check with your major department to find out if one of more of these courses is also eligible toward completing electives in your degree plan. The link below has course descriptions.

What is the added value to your degree? The certificate program is designed to be most attractive to nuclear power companies that directly operate power plants as well as those that provide engineered products and services to them. The certificate tells recruiters that you are interested in nuclear power and that you already have some basic knowledge making you ready to start working immediately or participate in additional training. The certificate also gives you opportunities to further develop highly transferrable applied engineering skills that are marketable and very applicable to other industries. As an example, one out of three recent graduates in Nuclear Engineering from A&M has started a career in the petrochemical industry because, like many others, the petrochemicals place high value on analytical and problem solving skills, system's perspective, and the culture of quality and safety inherent in nuclear technology.

Interested? Visit [TAMU Nuclear Power Institute – Certificate Program](#)• or contact Prof. Jerry Davis jjdavis@unt.edu in the Department of Engineering Technology office F115T.

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- <http://www.nuclearpowerinstitute.org/info-bar/college-and-beyond/certificate-programs/>