

Program Outline

Course Requirements

Thirty-six (36) credits total:

- 33* in T&D courses, including at least 9 in chosen track (used toward graduation portfolio)
*students may substitute 6 credits from pre-approved MBA and ORGL courses.
- 3 in TADP 556 Capstone

1. Required core courses provide basic tools for power industry engineering design.

Transmission Track Courses

TADP 540	Transmission Line Design-Introduction	3 credits
TADP 543	Electric Grid Operations	3 credits
TADP 544	Project Development & Construction Methods	3 credits
TADP 547	Underground System Design	3 credits
TADP 548	Transmission Line Design-Electrical Aspects	3 credits
TADP 640	Transmission Line Design-Advanced*	3 credits

Distribution Track Courses

TADP 541	Distribution System Design	3 credits
TADP 542	Substation Design	3 credits
TADP 545	System Protection**	3 credits
TADP 547	Underground System Design	3 credits
TADP 553	System Automation	3 credits
TADP 641	Power System Analysis	3 credits

Capstone Course

TADP 556	Engineering Leadership	3 credits
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Approved MBA & ORGL electives

MBUS 612	Management Skills Development	2 credits
MBUS 614	Business Ethics	2 credits
MBUS 616	Strategic Management	2 credits
MBUS 625	Operations Theory & Practice	2 credits
ORGL 500	Organizational Leadership	3 credits
ORGL 503	Organizational Ethics	3 credits
ORGL 504	Organizational Communication	3 credits
ORGL 505	Organizational Theory	3 credits

*Prerequisite TADP 540

** Prerequisite TADP 641 or Program Director permission

2. Advisor

Students must choose a faculty advisor before completing 18 credits of the T&D master's degree. An approved list of advisors is available from the program. This advisor will review the student portfolio and recommend for committee review.

3. A portfolio is required as the culminating project.

As a final portfolio, students may choose the final project from three courses in their chosen track, a communication plan, and a mission statement from TADP 556. A faculty committee will review the portfolio and recommend for graduation or further work.