

UTILITY CONSTRUCTION SYSTEMS (UCS)

UCS 100 (3 credit hours)

Overhead Utility Construction

Introduces students to Overhead Utility Construction. Covers topics in bucket truck operations (aerial lift); pole excavation, placement, removal and restoration; electrical safety and stray voltage detection; and responding to emergency situations in the telecommunication industry. Pre-requisite OR Integrated Lecture: 1 credits (15 contact hours); Integrated Lab: 2 credits (60 contact hours).

Co-requisite: ELT 224.

Attributes: Technical

Components: LAI: Integrated Laboratory, LEI: Integrated Lecture

UCS 101 (3 credit hours)

Underground Utility Construction

Introduces students to Underground Utility Construction. Prepares students for practical excavation and restoration; horizontal directional drilling (HDD); relevant equipment operation; conduit/duct bank installation; manhole/hand hole installation; and backfill, compaction, and finish grading operations. Pre-requisite OR Integrated Lecture: 1 credits (15 contact hours); Integrated Lab: 2 credits (60 contact hours).

Co-requisite: ELT 224.

Attributes: Technical

Components: LAI: Integrated Laboratory, LEI: Integrated Lecture