

CAREER PATHWAY AS A CONSTRUCTION PROJECT ENGINEER



CORE

- CNST 111- CIVIL CNST MATERIALS & METHODS
- CNST 120- INTRO TO CONSTRUCTION
- CNST 153 - COMPUTER APPS IN CONSTRUCTION
- CNST 210 - BLDG CONST MAT'LS AND METHODS
- CNST 241 - STATICS AND MECHANICS OF SOLIDS
- CNST 231- PLANS & SPECIFICATIONS
- CNST 261 - ESTIMATING I: TAKEOFFS
- CNST 271 - GRAPHICS COMM/INTRO TO BIM
- SURV 264 - FUNDAMENTALS OF SURVEYING
- CNST 301 - SOIL
- CNST 303 - PLANNING, SCHEDULING, AND PROJECT MANAGEMENT
- CNST 321 - ELECTRICAL SYSTEMS
- CNST 332 - MECHANICAL SYSTEMS
- CNST 351 - ANALYSIS, DESIGN AND CONSTRUCTION IN STRUCTURAL SYSTEMS
- CNST 361 - ESTIMATING II: RESOURCE LEVELING AND BIDDING
- CNST 371 - SUSTAINABLE BUILDING
- CNST 411 - CONSTRUCTION CONTRACTS
- CNST 452 - CONSTRUCTION MANAGEMENT & SR ASSIGNMENT
- CNST 470 - CONSTRUCTION INTERNSHIP

Technical Electives

- CNST 425 - HEAVY CIVIL
- CNST 463 - CONCRETE PROPERTIES



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DID YOU KNOW . . .

Concrete is the most used material.

In terms of volume, concrete gets used the most in the world— and actually dates to Ancient Egypt! Unfortunately, it has also been known as one of the most environmentally unfriendly. However, that's been changing thanks to great innovations that have reduced their gas emissions and permeable rendition. There's also now pollution-absorbing cement.

MAIN DUTIES

This position reviews design and bidding documents, evaluates contractor bids, and oversees construction progress and scheduling. Additionally, the Construction Project Engineer provides technical support to construction staff under the supervision of the Project Manager.

AVERAGE ANNUAL SALARY

- **National - \$82,105**
- **St. Louis Area - \$71,650**

