

CAREER PATHWAY TO DESIGN ENGINEER SURVEYOR



CORE

- **CNST 120- INTRO TO CONSTRUCTION**
- **CE 204- ENGINEERING GRAPHICS**
- **SURV 264- FUNDAMENTALS OF SURVEYING**
- **SURV 310- LEGAL ASPECTS OF SURVEYING**
- **CNST 211- CIVIL CNST MATERIALS & METHODS**
- **GEOG 202- NATURAL RESOURCES MGMNT & SUSTAINABILITY**
- **CNST 341- PLANS & SPECIFICATIONS**
- **GEOG 320- CARTOGRAPHY**
- **SURV 470- INTERNSHIP**
- **GEOG 321- QUANTITATIVE TECHNIQUES**
- **GEOG 322- AIR PHOTO INTERPRETATION**
- **SURV 482- ADV SURVEY SYSTEMS & SR ASSIGNMENT**
- **GEOG 418- GEOGRAPHIC INFORMATION SYSTEMS (GIS)**
- **GEOG 422- REMOTE SENSING**
- **SURV 484- SURVEY APPS & COMPS & SR ASSIGNMENT**
- **CNST 411- CONSTRUCTION CONTRACTS**
- **CNST 415- LAND DEVELOPMENT**

TECHNICAL ELECTIVES

- **SURV 481- COMPUTER MAPPING & APPLICATIONS**
- **SURV 486- DRONE MAPPING & APPLICATIONS**
- **SURV 487- ROUTE GEOMETRICS & DESIGN**



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HELPFUL SKILLS

- **GPS and Autocad**
- **Be able to understand vertical control and other survey data**
- **Be able to work as a team**
- **Be a good communicator**

MAIN DUTIES

- **Design, develop, and operate systems for collecting and analyzing spatial information about the land, the oceans, natural resources, and man-made features.**

AVERAGE ANNUAL WAGE

- **National - \$68,880**
- **Illinois - \$85,529**
- **Missouri - \$62,000**

