# 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

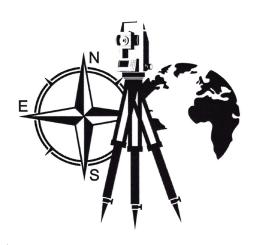
#### **TECHNICAL ELECTIVES**

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





# CAREER PATHWAY TO DESIGN ENGINEER SURVEYOR



### **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

