



## PROFESSIONAL SERVICES CAREER OVERVIEW

### Common Among Disciplines

- Emphasis in math, science, design, drafting, and computer skills.
- Communication and problem-solving skills are critical.
- Professional positions require a Bachelor's or Master's degree, experience and licensing requirements, and continuing education.
- Technical positions require at least a technical college degree.
- Salaries vary greatly by region of the country, field, employer, longevity, and level of responsibility.

### Architecture

- Designing public buildings, educational facilities, places of worship, retail and commercial buildings, and housing.
- 5-year degree in an accredited architecture program
- 3-year internship, Architect Registration Exam (ARE)
- Industry average salary \$45,000± (intern)—\$100,000± (senior architect)

### Civil Engineering

- Wastewater, stormwater and water systems, transportation, drainage, site evaluation and engineering, and airport layout and design.
- 4-year degree in engineering
- Engineer In Training (EIT) exam, 4-year internship, licensing exam
- Industry average salary \$45,000± (EIT)—\$100,000± (senior engineer)

### Environmental Services

- Site assessments, groundwater studies, contamination studies, landfill design and permitting, wetland delineation and mitigation
- 4-year degree in biology, geology, natural resources, forestry, etc.
- 5-year internship, licensing exam
- Industry average salary \$35,000± (technician)—\$100,000± (scientist)

### Landscape Architecture

- Encompasses the analysis, planning, design, management, and stewardship of our land and outdoor spaces.
- 5-year degree in an accredited landscape architecture program.
- 3-year internship, Landscape Architect Registration Exam (LARE)
- Industry average salary \$39,000± (intern)—\$90,000± (Sr. Landscape Architect)

### Land Surveying

- Property and right-of-way, subdivisions and planned unit developments, construction surveying, and mapping.
- 4-year degree in land survey or mapping sciences
- Land Surveyor In Training (LSIT) 3-year internship, licensing exam
- Industry average salary \$35,000 (technician)—\$100,000 (senior surveyor)

### Mechanical & Electrical Engineering

- Heating, cooling, plumbing, and air quality... Lighting, power, communications, controls, and information systems.
- 4-year degree in engineering
- Engineer In Training (EIT) exam, 4-year internship, licensing exam
- Industry average salary \$45,000± (EIT)—\$100,000± (senior engineer)

### Structural Engineering

- Design and evaluation of bridges and buildings.
- 4-year degree in engineering
- Engineer In Training (EIT) exam, 4-year internship, licensing exam
- Industry average salary \$45,000± (EIT)—\$100,000± (senior engineer)

### Water Resources

- Water management relating to flood control, storm water, and water quality
- 4-year degree in engineering
- Engineer In Training (EIT) exam, 4-year
- Internship, and licensing exam
- Industry average salary \$45,000 (EIT)—\$100,000 (senior engineer)

### Offices

- |                             |                        |
|-----------------------------|------------------------|
| <i>Alexandria, MN</i>       | <i>Forest Lake, MN</i> |
| <i>Bemidji, MN</i>          | <i>Grand Forks, ND</i> |
| <i>Brainerd/Baxter, MN</i>  | <i>Mankato, MN</i>     |
| <i>Crookston, MN</i>        | <i>Rochester, MN</i>   |
| <i>East Grand Forks, MN</i> |                        |