

# ENGINEER YOUR WAY TO SUCCESS

Presented by:

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## Institute of Transportation Engineers Student Chapter

### TEN KEY ELEMENTS FOR A SUCCESSFUL ENGINEERING CAREER

#### 1. Technical Skills

- Bachelor of Science (BS) in Engineering
- Engineer-in-Training (EIT)
- Professional Engineering License (P.E.)

#### 2. Experience

- Preparation in your field
- Get broad-based experience
- Concentrate your energies in your unique area

#### 3. Communication Skills

- Speak clearly
- Listen effectively
- Think critically
- Write logically
- Join a Toastmasters club

#### 4. Leadership Skills

- Motivate people
- Move with enthusiasm and achieve goals with passion
- Be innovative; identify, develop, and utilize resources
- Be an example
- Dress professionally
- Great leaders are trained, not born
- Join a Toastmasters club

#### 5. Management Skills

- Control and guide the efficiency
- Build a plan and update the plan as work progresses
- Delegate and empower people
- Work effectively with different personalities
- Be a salesman and a team-builder

#### 6. Teamwork

- Learn from one another, do not be selfish
- Together we are the best
- Team power: everyone reaches the top

#### 7. Integrity

- Keep your word, keep your word, keep your word

#### 8. Service

- Make a difference in your professional organizations and community
- Volunteer work for the benefit of others
- Do not expect anything in return

## **9. Ambition/Hard Work/Commitment**

- Aim your ambition to be constructive, not destructive
- Hard work makes all things possible
- Commitment is an extension of ambition, directs your ambition to reach your goal

## **10. Continue to Learn**

- Engineering
- Communication
- Leadership

In summary, these are ten (10) key factors: technical skills, experience, communication skills, leadership skills, management skills, teamwork, integrity, service, and ongoing learning which determine success in an engineering career.

Finally, you have to realize you are never “there.” It is a journey. You need continual improvement and upgrading. Enjoy the journey. Be successful in your engineering career and leave a legacy.

## **Professional Organizations**

### **1. Institute of Transportation Engineers (ITE)**

1627 Eye Street, NW, Suite 600  
Washington, DC 20006  
Phone: 202-785-0060, Fax: 202-785-0609  
ITE Website: [www.ite.org](http://www.ite.org)

### **2. American Public Works Association (APWA)**

2345 Grand Blvd., Suite 500  
Kansas City, MO 64108-2641  
Phone: 800-848-APWA, Fax: 816-472-1610  
APWA Website: [www.apwa.net](http://www.apwa.net)

### **3. Toastmasters International (TI)**

P.O. Box 9052  
Mission Viejo, CA 92690-7052  
Phone: 949-858-8255, Fax: 949-858-1207  
TI Website: [www.toastmasters.org](http://www.toastmasters.org)