Balancing Technical and Non-Technical Skill Development

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## Why are you here today?

- To pick our brains for knowledge
- Network
- Learn more about college to career
   Educate yourselves about what we as employers are looking for

#### Where does this lead you?



## What is needed to get the job?

Technical Skills

#### Non-Technical Skills

## **Technical Skills**

- In today's environment, technical competence alone is not sufficient for career success
- Employers want employees who have completed the required courses in their chosen field

 Employers are looking for non-technical skills that help employees perform better.

# Non-Technical Skills

- Employers want employees who are well rounded
- Employees need non-technical skills
- Employees who have prepared themselves for the job by balancing both their technical and non-technical skills

## How do you gain these skills?

- Educational Institutions
   Organizations
- Projects and research
- Volunteering

#### How do these skills help you?

Build your resume

Increase your marketability

Improve the total person, employee

## **Technical Skills**

Educational training
 On-going development
 Technical Competencies
 Application of Knowledge

# **Application of Technical Skills**

Job Descriptions



# **Non-Technical Skills**

- Oral and written communication
- Team Work
- Business Awareness
- Organization and management skills
- Responsibility and initiative
- Problem Solving
- IT competency

## **Oral Communication Skills**

Making a speech or presentation before a large group of people such as your manager, your customer, or your peers is now part of the job.

The need to effectively communicate technical information about your particular discipline to others.

# **Oral Communication Skills**

Ways to develop oral communications skills:

- Participate in oral presentations in your classes
- Join the debate team
- Belong to organizations that require the ability to mix and communicate mult9-culturally
- Volunteer to work on a crisis hotline
- Volunteer to work in on-campus activities that require public speaking
- Give a speech
- Chair a meeting or discussion group

#### Written Communications

The ability to read and understand information presented to you in a variety of forms such as diagrams, charts, or text.

You need to write and speak so others understand and pay attention.

#### Written Communications

Ways to develop written communication skills:

- Get tutoring from the English department
- Attend writing workshops such as proposal writing or grant writing
- Write for the university magazine
- Read more well written books and articles
- Ask your friends to review or edit your writing

#### Team Work

You can't be expected to know everything, you can't be expected to know all the various perspectives.

Working in a team allows you to connect your work to the work of the team and the team to the overall mission of the organization you work for.

## Team Work

Ways to develop team building skills:

- Group projects and presentation where you work in a team
  - Organizing events, trips (at a university or with friends in vacations)
- Attend sensitivity training sessions to understand and get along with people of other races, religions and ethnic or cultural background.

#### **Business Awareness**

Employers value employees who understand the business they are in from a local, national and global perspective.

#### **Business Awareness**

Ways to develop this knowledge:

- Participate in activities that put you in a business-like environment
- Seek part time employment in a business
- Develop an interest in current affairs, business, or finance
- Enroll in business related courses
- Read publications and other technical works related to the business

#### **Organization and Management Skills**

Whether you are the supervisor, project manager, or just a team member, you need good organizational and management skills

**Organization and Management Skills** 

Ways to develop these skills:

 Plan, design or carry out a short term project or task from start to finish with welldefined objectives and outcomes

Prioritize work to meet deadlines

#### **Responsibility and Initiative**

Initiative is work that you initiate that reaches beyond the border of your known work where the motivation is <u>not</u> to benefit you, but your organization or your team.

Perform a self assessment that includes establishing goals and priorities for yourself.

## **Responsibility and Initiative**

Ways to establish this skill:

- Look for opportunities to apply new ideas and turn them into something of value to the team.
- Do more work than is required
- Listen and respect others opinion and ideas in order to evaluate and improve the product or service
- Take responsibility for an event or assignment
- Take some positive action without being asked in class

## **Problem Solving**

Using your technical skills to solve a problem and/or make effective decisions on the basis of the information you have been given.

## **Problem Solving**

Ways to develop this skill:

Gather all of the information you need to make an effective decision (technical, financial, and conflicting information).
Participate in a project that requires you to manage change, plan and take ownership of a problem.
Develop and implement ways to achieve your goals.

## **IT Competence**

It is absolutely essential for you to be able to work efficiently at a desktop computer.

Continuous improvement with a wide range of software packages is necessary.

# **IT Competence**

Ways to acquire this skill:

- Volunteer to work in a computer lab
- Enroll in a distance learning class
- Read technical magazines
- Use the Internet (www.zdnet.com/eweek/)
- Take courses beyond those required in your field.
- Offer to type other students papers and projects.

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