

Academic Preparation that Science & Technology Industries Seek for a Productive Workforce



Qualcomm & New Grads

- Who we Hire
 - Computer Science, Electrical Engineering, Math
- What's Missing in their Formal Education
 - Process and Process Tools
 - Configuration Management
 - Test and Quality Assurance
 - Software Development Life Cycle
 - TQM, Six Sigma, Continuous Process Improvement
 - Writing Skills
 - Stuff You Don't Learn in Engineering School

Stuff You Don't Learn in Engineering School

- Book by Carl Selinger
- Related articles and training materials at IEEE
 - <http://www.spectrum.ieee.org/careers>
 - Search on “Selinger”

What is this Stuff

- Communication
 - What to say, how to say it, to whom and when
 - Listening
- Setting Priorities
- Making Decisions
- Conducting a Meeting
- Understanding that You're Part of a TEAM!
 - It's not your project and your grade any more
 - It's business objectives and a lot of **MONEY**
 - “Good enough” and on time trumps tardy perfection



Why this Stuff is Important

- It won't keep you from getting a job, promotion or raise
- It will help you rise through the ranks more quickly
- It will help you rise higher in your organization
- It will save you time and make your life easier
- *Companies spend a lot of money on courses and coaching in this Stuff!*



Where do You Learn this Stuff

- Internships
- Mentors
- Professional Associations like IEEE and ACM
- Books
- Classes and Coaching

Professional Development

- Take charge of your career – or someone else will
- The "soft" workplace skills are important

But...

- Your technical and scientific background is your paycheck
- Technology will change hugely during your lifetime

Enjoy Your Ride!