

Direct Connect Session

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Things to think about moving into the engineering community:

1. Communication:
 - a. Be grammatically correct – yes, good written and verbal skills are still important.
 - b. Spell check, proofread – written communication as well as drawings.
 - c. Reduce use of this, that, these, it – they can be ambiguous; spell out what it is you're referring to.
 - d. Your writing should be well thought out – thorough, yet concise.
 - e. Engineers aren't necessarily the best writers so it's something we have to try hard to overcome. Being a good communicator can separate you from the rest of the crowd.
 - f. **There is no worse lie than a truth misunderstood by those who hear it.**
2. Listen to your clients:
 - a. Ask good leading questions when they are asking for advice.
 - b. Try to get a full understanding of the issue. The real problem may be slightly different from the initial question.
 - c. Don't be quick to assume what a client is looking for to show off your engineering skills and knowledge. Let the problem come to you by asking good questions.
3. Trust:
 - a. It takes a long time to build trust with clients – and it can be destroyed in no time flat.
 - b. It has to be earned and deserved.
 - c. Be fair and honest with all your clients.
 - d. Read *The Trusted Advisor* by David Maister, Charles Green and Robert Galford.
 - e. Don't be afraid to say you need to look into something for an answer. You don't always have to have an immediate answer.
 - f. Helping your clients solve their problems goes a long way in nurturing relationships.
 - g. **Being helpful trumps being right.**
4. Client Relations:
 - a. You will find all of your clients are different – different personalities, different hot buttons, and different interests.
 - b. Most of the time we are a consultant.
 - c. Learn to adapt to all of the different client personalities and meet them on their terms.
 - d. Treat them all the same – big and small.
5. Computer Software:
 - a. There is a significant reliance on software to do all the design work for us.
 - b. While this comes as a great benefit to us, it is not without risk.
 - c. Learn and understand all the peculiarities and idiosyncrasies of each program you use. They all have differences.
 - d. You must understand each program and its limitations to use them effectively and correctly. This applies to the analysis as well as the design portions of a program.
6. Social Skills:
 - a. You do not need to be the smartest engineer on the planet.
 - b. Learn to get along with others – both your clients as well as other members of your firm.
 - c. Never talk behind people's backs. If you wouldn't say it to their face, it isn't worth repeating. It is an incredibly small and connected world. There a significantly good chance saying something bad will come back to haunt you.
7. Engineering:
 - a. Be humble. I still learn new things every day.
 - b. Be willing to listen to/overhear other engineer's discussions. You can learn the thought process for thinking through problems effectively, and you might just learn something new.
 - c. Our knowledge and design principles are changing all the time. Be willing to go with the flow and adapt to new changes.
 - d. See 3h above.

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