Describe your overall duties/responsibilities as a Process/Equipment Engineer:

I am responsible for the upkeep and manufacturing availability of multiple CVD (Chemical Vapor Deposition) chambers throughout the semiconductor device fabrication. I am also the process owner in charge of delivering products within specification limits while enhancing/troubleshooting wafer variation. In addition, I collaborate alongside technicians and material specialist to maintain/further improve tool and process capability.

Explain the skills/abilities that are required for being successful in your role:

Most of the time the theories you learn in the classroom do not translate directly to the real world, but your learning, communication, team work, and problem solving skills will always set you apart from others. It is important that you learn from those who have been in your role/company longer, ask questions, and challenge yourself to find the solution/answer you are searching for. In college you might have gotten away with doing a group project by yourself, but knowing how to work and effectively communicate with others once you graduate is crucial through action items, schedules, responsibilities, etc. No matter what company or industry you go into you will be faced with problems that need solving, so do not forget to take time to learn from previous approaches and speak up by offering new solutions.

What advice would you give to students who are considering majoring in Electrical & Computer Engineering?

Take classes that you find interesting on topics you want to learn more on instead of the “easy A” recommended by others. Join student organizations where you can enhance your personal/technical skills while contributing to the college, university, and Columbus community. It’s never too early for you to think about your future so set short and long term goals to keep yourself accountable, but remember success is not a straight path up. Throughout college and life you’ll be faced with obstacles and struggles, so find a community of friends and colleagues that will lift you up and help you succeed. Lastly, enjoy your time in college and don’t forget the goals you’ve set for yourself.