**NEED TO KNOW**

**Wake Tech Associates in Engineering**

1. The Program of Study has a section titled “Other Required Hours”. Courses in that category must be picked for your Engineering major and the requirements at the Universities you wish to attend.
2. Semester Credit Hours (SCH) are not equivalent to seated hours. For instance, CHM 151 is a 4 SCH but you have a 3 hour lecture and a 3 hour lab per week, totaling 6 hours per week that you are physically in class or lab. Having 6 seated hours means that you should be studying 12 hours per week. Therefore, the minimum time that is devoted per week to CHM 151 is 18 hours.
3. You MUST take ACA 122.
4. If you have not taken Chemistry in High School, you are required to take CHM 090 before you take CHM 151.
5. Do **NOT** take COM 110. COM 110 Interpersonal Communications will not transfer to any Engineering University. Take COM 231 Public Speaking.
6. GEL 111, Geology I is currently not an option but will be substituted for BIO 111 or CHM 152 for Civil and Environmental Engineering.
7. Associates in Applied Sciences, AAS or technology courses, do not transfer to any four-year Engineering Calculus-based degree University, however may be good as additional career credentials.
8. For a third repeat for a course (this includes withdrawals, never attending and repeating the course because of a poor grade) you must see Rosemery Hahn (rshahn@waketech.edu).
9. If your GPA dips below a 2.0, then you **MUST** see the General Advising Student Success counselors.

**Engineering Universities**

1. Currently, registering for NCSU Engineering courses as a non-degree seeking students (nds) is not available.
2. Transfer students at NCSU can only transfer in the Fall.
3. Currently, all other Engineering Universities will transfer students in any semester.
4. High GPAs are needed to transfer due to the number of seats available in that Engineering Department at that Engineering University.

**RECOMMENDATIONS**

1. **FINISH THE ASSOCIATES IN ENGINEERING DEGREE**. This is a recommendation from Wake Tech Engineering students who have transferred with and without finishing the Degree. Here is the rationale. Universities in North Carolina are bound by the Comprehensive Articulation Agreement (CAA) to accept the courses that are included in the program of study. For example, according to the CAA, Universities cannot choose to decline EGR 220 Statics credit and make you take Statics at their institution.
2. **EXPECT THE ASSOCIATES IN ENGINEERING TO TAKE THREE YEARS**. The GPA you earn at Wake Tech is critical for transfer. The Associates in Engineering degree program starts with MAT 271 Calculus I. An additional year could be needed to complete pre-requisites if you start with MAT 171.
3. **ASSOCIATES IN SCIENCE MAY BE ADDED TO YOUR MAJOR.** The AS degree is added to accommodate pre-requisite Math and Financial Aid. For additional Information, please contact Financial Aid.
4. **ONLINE CLASSES.** Online technical courses, such as Calculus and Physics, require self-discipline due to the amount of self-study needed to understand the material.
5. **IF YOU START YOUR CALCULUS AND PHYSICS SERIES AT WAKE TECH, YOU NEED TO FINISH ALL OF YOUR CALCULUS SERIES AND PHYSICS AT WAKE TECH.** The Calculus series includes MAT 285 Differential Equations and/or MAT 280 Linear Equations.
6. **FALL AND SPRING SEMESTER, YOU SHOULD BE TAKING BETWEEN 12 AND 14 SEMESTER CREDIT HOURS.** If you are working, consider either reducing your work hours to 10-15 hours per week or reducing the number of classes that you take per semester.
7. **DO NOT TAKE MORE THAN TWO TECHNICAL COURSES FALL AND SPRING SEMESTER.** For example, Take MAT 272 and PHY 251, then add a Humanities, Social Science or Fine Arts to meet the 12 credit hour requirements for full-time status.
8. **SUMMER SEMESTER HAS 5 WEEK, 8 WEEK AND 10 WEEK COURSE OPTIONS.** Note that there is still 16 weeks of information packed into each option. Be careful in choosing classes in the summer for your major. If you are taking a Calculus course in the summer that will be the only course you will be taking because of the complexity of the material. A technical course can be considered a full-time job during in the summer.
9. **ASK YOUR ENGINEERING FACULTY ADVISOR OR ENGINEERING DEPARTMENT HEAD IF IN DOUBT ABOUT WHAT CLASSES TO TAKE OR WHAT TO DO**. All Faculty members, the Associate Department Head and the Department Head are Engineers. Everyone in the Engineering Department has at least a Master’s Degree in their Engineering field. We have been there and still remember the challenges of learning Engineering.
10. This is the time to **LISTEN TO WHAT THE ENGINEERING FACULTY AND DEPARTMENT HEAD ARE ADVISING** or suggesting about the courses and transfer questions. Ask anyone in the Engineering Department, if we do not know we will ask the University for clarification.
11. **THINK LIKE AN ENGINEER. IT IS A GREAT PROFESSION.**