**Wake Tech Engineering Six Semester Planning Guide**

**url: engineering.waketech.edu**

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| **EXAMPLE STARTING AT MAT 271 CALCULUS I - SEMESTER BY SEMESTER PLAN** | | | | | |
| **1st Year FALL** | | **1st Year SPRING** | | **1st Year SUMMER** | |
| MAT 271 Calculus I | 4 | MAT 272 Calculus II | 4 | ECO 251 Micro-Economics | 3 |
| CHM 151 General Chem I | 4 | PHY 251 Physics I | 4 | HIS xxx or PSY 150 or SOC 210 | 3 |
| ENG 111 Writing | 3 | ENG 112 Writing & Res | 3 |  |  |
| ACA 122 College Trnsfr Success | 1 | DFT 170 Engineering Graphics | 3 |  |  |
| EGR 150 Intro. to Engineering | 2 |  |  |  |  |
| Total SHC | 14 | Total SHC | 14 | Total SHC | 6 |
| **2nd Year FALL** | | **2nd Year SPRING** | | **2nd Year SUMMER** | |
| MAT 273 Calculus III | 4 | MAT 285 Differential Equation or MAT 280 Linear Algebar | 3 |  |  |
| Engr Specific Course | 3 | PHY 252 Physics II | 4 |  |  |
| COM 231 Public Speaking | 3 | Engr Specific Course | 4 |  |  |
| Engr Specific Course | 3-4 | PHI 240 Ethics | 3 |  |  |
|  |  |  |  |  |  |
| Total SHC | 14 | Total SHC | 14 |  |  |

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| **EXAMPLE STARTING AT MAT 171 PRE-CALCULUS- SEMESTER BY SEMESTER PLAN**  **Due to pre-requisites and course availability, it is advised NOT to take summer classes** | | | | | |
| **1st Year FALL** | | **1st Year SPRING** | | **1st Year SUMMER** | |
| MAT 171 Pre-Calculus - algebra | 4 | MAT 172 | 4 |  |  |
| ENG 111 Writing and Inquiry | 3 | ENG 112 Writing and Research | 3 |  |  |
| ACA 122 College Transfr Success | 1 | DFT 170 | 3 |  |  |
| EGR 150 Intro to Engineering | 2 | CHM 090 | 4 |  |  |
| ECO 251 Micro-Economics | 3 |  |  |  |  |
| Total SHC | 13 | Total SHC | 14 |  |  |
| **2nd Year FALL** | | **2nd Year SPRING** | | **2nd Year SUMMER** | |
| MAT 271 Calculus I | 4 | MAT 272 Calculus II | 4 |  |  |
| CHM 151 General Chem I | 4 | PHY 251 Physics I | 4 |  |  |
| PHI 240 | 3 | HIS xxx or PSY 150 or SOC 210 | 3 |  |  |
| HUM 110 | 3 | PED 110 Heathy Living | 2 |  |  |
|  |  |  |  |  |  |
| Total SHC | 14 | Total SHC | 12 |  |  |
| **3rd Year FALL** | | **3rd Year SPRING** | | **3rd Year SUMMER** | |
| MAT 273 Calculus III | 4 | MAT 285 Differential Equation and/ or MAT 280 Liner Algebra | 3 |  |  |
| COM 231 | 3 | PHY 252 Physics II | 4 |  |  |
| Engr specific course | 3,4 | Engr specific course | 3 |  |  |
| Engr specific course | 3,4 | Engr specific course | 3,4 |  |  |
|  |  |  |  |  |  |
| Total SHC | 13-15 | Total SHC | 13-14 |  |  |