EGR 120 Due date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Introduction to Engineering

File: EGR120H1

**Homework Assignment #1**

**Reading Assignment:**

* Read Section 2.5 (Your Graduation Plan) in Engineering Fundamentals – An Introduction To Engineering, 5E by Moaveni.
* TCC Student Handbook for Engineering

**Assignment:**

1. (80 pts) Develop a ***graduation plan***, listing exactly which courses you will need to take each semester (beginning with this semester) between now and the time that you graduate with a bachelor’s degree.
* For this assignment it is assumed that all students are pursuing a bachelor’s degree in engineering or engineering technology. If you haven’t yet decided on an engineering discipline to pursue or a university in which to transfer, simply pick a possible choice for now.
* Include both course numbers and titles.
* List specific semesters (for example: Spring 2018, Summer 2018, Fall 2018, etc., instead of Semester 1, Semester 2, etc.)
* Include a list of courses that you have already completed.
* List specific courses for Approved EGR Electives.
* List specific courses for Social Science and Humanities Electives.
* Reference: TCC Student Handbook for Engineering and the website for the engineering program at the college or university of your choice.

**Example:**

University selected for transfer: ODU

Engineering discipline: Civil Engineering

Classes already completed at TCC or transferred to TCC: PSY 201, MTH 163, MTH 164,

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| --- | --- |
| Spring 2019 – TCC (begin with the current semester)EGR 120 – Intro to EGRMTH 263 – Calc. ICHM 111 – Chemistry IHIS 121 – US HistorySummer 2019 – TCCCHM 112 – Chemistry IIEGR 110 – Engineering GraphicsFall 2019 - TCCMTH 264 – Calc IIPHY 241 – Physics IEGR 140 - StaticsEGR 125 – Intro to EGR Methods**…** | Fall 2020 – ODUCEE 304 – CEE Infrastructure SystemsCEE 305 – Civil and Environmental EGR computationsCEE 310 – Structures ICEE 323 – Soil MechanicsCEE 335 – Soils & Hydraulics LabCEE 340 – Hydraulics and Water Resources**…****…****…** (include ***all semesters*** until graduation with a BS degree in engineer or engineering technology) |

1. **Curriculum Sheets (20 points)**

##### Print a curriculum sheet for one of ODU’s engineering programs

* Find a curriculum sheet for a BS degree one of ODU’s engineering programs (your choice).
* Go to <https://www.odu.edu/advisingprograms> (or search until you find it)
* **Curriculum Sheets**
* **Pick the most current academic year**
* **Pick the degree of your choice**
* Print the curriculum and attach it to your assignment or save it and submit it electronically in Bb with your assignment (Bb will allow you to submit multiple files).
* Sample ODU curriculum sheet (incomplete):



##### Print a curriculum sheet for one of Virginia Tech’s engineering programs (or select another university of your choice)

* Find a curriculum sheet for a BS degree one of Virginia Tech’s engineering programs (your choice).
* Virginia Tech refers to curriculum sheets as “***checksheets***.”
* Select the year most that would work best for you if you transferred to Virginia Tech.
* You might begin by finding the engineering department and selecting ***undergraduate degrees***.
* Look for or search for ***curriculum sheet*** or ***checksheet***.
* Print the curriculum and attach it to your assignment or save it and submit it electronically in Bb with your assignment (Bb will allow you to submit multiple files).
* Sample Virginia Tech curriculum sheet (incomplete):

