# Temple University College of Engineering
## Associate in Science in Engineering [NOTE 1] at the Delaware County Community College to the Bachelor of Science in Civil Engineering at Temple University
## (Effective Fall 2018)

| (DCCC) Recommended Course | | | Temple University Equivalent | |
|---|---|---|---|---|
| ***First Semester*** | | ***Credits*** | ***First Semester*** | |
| ENG 100 | English Composition I | 3 | ENG 0802 | Analytic Read and Writing |
| MAT 160 | Calculus I | 4 | MATH 1041 | Calculus I |
| CHE 110 | General Chemistry I | 4 | CHEM 1031<br>AND<br>CHEM 1033 | General Chemistry I<br>AND<br>General Chemistry Laboratory I [NOTE 2] |
| EGR 150 | Engineering Topics | 1 | ENGR 1101 | Intro/Engineering & Engineering Technology |
| DPR 101 | Introduction to Computer Science | 3 | CIS L*** | Lower Level Elective [NOTE 3] |
| | **Semester Total:** | 15 | | |
| ***Second Semester*** | | | ***Second Semester*** | |
| ENG 112 | English Composition II | 3 | ENG L*** | English Lower Level Elective |
| MAT 161 | Calculus II | 4 | MATH L*** | Lower Level Elective [NOTE 4] |
| CHE 111 | General Chemistry II | 4 | CHEM 1032<br>AND<br>CHEM 1034 | General Chemistry II<br>AND<br>General Chemistry Laboratory II |
| PHY 131 | University Physics I | 4 | PHYS 1061 | Elementary Classical Physics I |
| | **Semester Total:** | **15** | | |
| ***Third Semester*** | | | ***Third Semester*** | |
| MAT 260 | Calculus III | 4 | MATH 2043 | Calculus III |
| PHY 132 | University Physics I | 4 | PHYS 1062 | Elementary Classical Physics II |
| EGR 200 | Engineering Statics | 3 | ENGR 2331 | Engineering Statics |
| | Diversity and Social Justice - Social Science Course | 3 | Elective | Dependent upon course selection [NOTE 5] |
| | Global Understanding - Social Science Elective | 3 | Elective | Dependent upon course selection [NOTE 5] |
| | **Semester Total:** | 17 | | |
| ***Fourth Semester*** | | | ***Fourth Semester*** | |
| MAT 261 | Differential Equations | 3 | MATH 3041 | Differential Equations |
| COMM 100<br>OR<br>COMM 111 | Intro to Interpersonal Comm<br>OR<br>Public Speaking | 3 | Elective<br>OR<br>CSI 1111 | Elective<br>OR<br>Public Speaking |
| EGR 201 | Engineering Dynamics | 3 | ENGR 2332 | Engineering Dynamics |
| EGR 100 | Engineering Graphics | 3 | ENGR 1117 | Engineering Graphics |
| EGR 220 | Engineering Thermodynamics | 3 | ENGR 3571 | Class & Stat Thermodynamics |
| | Humanities Elective | 3 | Elective | Dependent upon course selection [NOTE 5] |
| | **Semester Total:** | 18 | | |
| | Total Credits Taken | 65 | | |

Notes:

1) DCCC graduates who transfer with the A.S. in Engineering satisfy Temple's GenEd requirements by GenEd-to-GenEd transfer. It is recommended that students work with their DCCC advisor to select transfer courses for their Humanities and Social Science electives.
2) Credit for CHEM 1031 & CHEM 1033 will be used to satisfy CHEM 1035: Chemistry for Engineers, a major requirement at Temple, via DARS exception.
3) Credit for CIS L*** will be used to satisfy ENGR 1102: Introduction to Engineering Problem Solving, a major requirement at Temple, via DARS exception.
4) Credit for MATH L*** will be used to satisfy MATH 1042: Calculus II, a major requirement at Temple, via DARS exception for students who successfully completed MATH 260 and MATH 261 at DCCC.
5) To see how courses might transfer, consult Temple's Transfer Equivalency Tool: http://http://admissions.temple.edu/transfer-equivalency-tool. Courses not included in the transfer tool may transfer.

*If the suggested classes are successfully completed and an Associate of Science in Engineering at Delaware County Community College, the remaining four semesters for the **Bachelor of Science in Civil Engineering** are as follows:*

| **Remaining Requirements at Temple University** | | |
|---|---|---|
| ***Summer*** | | |
| ENGR 2333 | Mechanics of Solids | 3 |
| | **Semester Total:** | **3** |
| ***Fifth Semester*** | | ***Credits*** |
| ENGR 3553 | Mechanics of Fluids | 3 |
| CEE 3331 | Soil Mechanics | 3 |
| CEE 3332 | Soil Mechanics Laboratory | 1 |
| CEE 3411 | Structural Analysis | 3 |
| CEE 3412 | Structural Analysis Laboratory | 1 |
| CEE 2011 | Civil Engineering Materials | 2 |
| CEE 1105 | Surveying | 2 |
| | **Semester Total:** | **15** |
| ***Sixth Semester*** | | |
| ENGR 4169 | Engineering Seminar | 1 |
| CEE 3048 | Probability, Statistics & Stochastic Methods | 3 |
| CEE 3441 | Steel and Concrete Design | 4 |
| CEE 3211 | Transportation Engineering | 3 |
| ENGR 2196 | Technical Communication [WI] | 3 |
| MEE 3506 | Fluids and Energy Laboratory | 1 |
| | **Semester Total:** | **15** |
| ***Seventh Semester*** | | |
| ENGR 4196 | Senior Design Project I [WI] | 1 |
| CEE Elective | Civil Engineering Technical Elective #1 | 3 |
| CEE 3711 | Environmental Engineering | 3 |
| CEE 3311 | Construction Engineering | 3 |
| EES 2001 | Physical Geology | 4 |
| Free Elective | Free Elective (Dependent upon course selection) | 3 |
| | | |
| | **Semester Total:** | **17** |
| ***Eighth Semester*** | | |
| ENGR 4296 | Senior Design Project II [WI] | 3 |
| CEE Elective | Civil Engineering Technical Elective #2 | 3 |
| Free Elective | Free Elective (Dependent upon course selection) | 3 |
| Free Elective | Free Elective (Dependent upon course selection) | 3 |
| Free Elective | Free Elective (Dependent upon course selection) | 1 |
| | **Semester Total:** | **13** |
| | | |
| | *Credits transferred as part of the A.S. in Engineering:* | **65** |
| | *Summer Coursework at Temple Prior to Enrollment:* | **3** |
| | *Remaining B.S. in Civil Engineering Requirements to complete at Temple* | **60** |
| | **Total Credits Completed to Satisfy the Requirements for the B.S. in Civil Engineering:** | **128** |

Notes:

1. To find the online application:
   - Go to www.temple.edu/undergrad
   - Click on "Applying" on the gray bar across the top

- Click on “Transfer Students” on the left hand side - This will take you directly to an online application

2. All inquiries about the undergraduate program and application are handled through the Office of Undergraduate Admissions. If you have specific questions about your application or the admission process, please call 215-204-7200.
3. All inquiries specific to the Engineering program and requirements should be directed to the College of Engineering, Shawn Fagan, 215-204-8825, shawn.fagan@temple.edu.
4. Temple University requires that all undergraduate degree candidates complete 45 hours of the last 60 hours of the degree or program as matriculated students at Temple University. If a matriculated student previously took Temple courses on a non-matriculated basis, those courses are counted towards this requirement.