

ADDENDUM TO THE ARTICULATION AGREEMENT  
Between  
Houston Community College  
and  
The University of Texas at Tyler College of Engineering

PARTIES

This Addendum is entered into by Houston Community College (HCC), a public community college district organized under Chapter 130 of the Texas Education Code, whose main office address is at 3100 Main Street, Houston, Texas, 77002, and The University of Texas at Tyler (UT Tyler) public institution of higher education, whose main office address is at 3900 University Boulevard, Tyler, Texas, 75799. UT Tyler and HCC herein after referred to as the “Institutions” agree to cooperate in this objective to the mutual benefit of students.

STATEMENT OF PURPOSE

This Addendum is attached to and incorporated into that certain Articulation Agreement between UT Tyler and HCC dated May 9, 2023. UT Tyler and HCC share the goal of enhancing the success of students pursuing careers in engineering and establishing a seamless educational journey between the two entities. The aim of this Addendum is to introduce a concurrent enrollment process for specific courses, directly applicable to UT Tyler's undergraduate engineering degrees, while also supporting the attainment of associate degrees at HCC. In alignment with their respective missions, the institutions aspire to collaborate on cooperative education and programmatic activities, all directed towards enhancing the educational experience for students, as outlined below.

MUTUAL COORDINATED RESPONSIBILITIES

a) Concurrent Enrollment Guidelines:

- i) **Cost Reduction:** UT Tyler will waive the following mandatory fees: Fine and Performing Arts, Recreational Facility, Medical Services, Student Union, and Intercollegiate Athletics.
- ii) **Classification and Expectations:** HCC students concurrently enrolled with UT Tyler will apply as non-degree seeking students. As they will be classified as UT Tyler students, they are subject to UT Tyler rules and regulations, including the Student Code of Conduct.
- iii) **Financial Aid:** This Addendum follows the guidelines of the existing Financial Aid Consortium Agreement between UT Tyler and HCC.
- iv) **Advising:** UT Tyler will provide advising services to HCC students interested in pursuing one of its bachelor's degrees in the College of Engineering.

- v) Compliance: Institutions will comply with all applicable regulations and rules required for accreditation and follow the Texas Higher Education Coordinating Board to fulfill compliance obligations related to this Addendum.
- b) Communication and Marketing: Both institutions agree to cooperate in communicating information about this Addendum.
  - i) Assist, advertise, promote, and facilitate transfer events.
  - ii) Coordinate information to advertise and inform students of the opportunities for concurrent enrollment. Each Institution will assume responsibility for appropriate marketing to reach their respective student populations and will annually review marketing materials to ensure accuracy.

#### TERMS OF ADDENDUM AND TERMINATION

1. The content and requirements for this addendum will be reviewed on the same schedule as the Articulation Agreement between the Institutions dated May 9, 2023. The desire to amend or terminate the Addendum must be submitted in writing to the President of the allied institution.
2. This Addendum will be filed with the Offices of Academic Affairs at UT Tyler and HCC.
3. All required notices, demands, requests, and other communications shall be presented in writing and shall be deemed to have been given when personally delivered, mailed or emailed to the administrators of the corresponding institution.
4. This Addendum may be amended at any time in writing upon signature of authorized representatives of both Institutions.
5. This Addendum is non-exclusive, and allied Institutions may enter into similar Addendums with any other collaborator.
6. This Addendum is subject to termination by either party upon sixty days written notice of a material breach to the breaching party. Alternatively, this Addendum can be terminated at any time without cause by mutual consent of the parties or by either institution with notice by May 1 that the program will not be offered for the next academic year.
7. The laws of the State of Texas (U.S.A.) shall govern the interpretation and application of this Addendum. Any dispute arising out of this Addendum, or its operation, performance or nonperformance shall be resolved in accordance with Texas law and venue shall be

solely and exclusively in the courts located in Smith County and/or Harris County, Texas, U.S.A.

This Addendum providing assurances of seamless transfer for approved courses specified in Appendix A and will be authorized upon approval and signature of both institutions.

This Addendum shall take effect upon execution by both signatories.

IN WITNESS WHEREOF, the parties have executed this Addendum.

THE UNIVERSITY OF TEXAS AT TYLER

HOUSTON COMMUNITY COLLEGE

DocuSigned by:  
  
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1/17/2025

Dr. Julie Philley  
*President, The University of Texas at Tyler*

Date

  
01/14/2025

Margaret Ford Fisher, Ed.D.  
*Chancellor, Houston Community College*

Date

DocuSigned by:  
  
6038D7939FB642E...

1/16/2025

Dr. Amir Mirmiran  
*Provost and Vice President of Academic Affairs*

Date

  
1/14/2025

Dr. Zachary Hodges  
*President, Northwest College*

Date

APPENDIX A

| HCC  |           | Bachelor of Science in Civil Engineering<br>Recommended 4-Year Course Sequence<br>2024-2025 Catalog |     |        |                   | UT Tyler<br>THE UNIVERSITY OF TEXAS AT TYLER |  |     |     |
|--|-----------|---|-----|--------|-------------------|--|--|-----|-----|
| FRESHMAN YEAR  |           |   |     |        |                   |  |  |     |     |
| Fall   |           |   |     | Spring |                   |  |  |     |     |
| HCC  | UT Tyler  | Title   | HCC | UTT    | HCC               | UT Tyler                                     | Title  | HEC | UTT |
| ENGR 1201  |           | Introduction to Engineering   | 2   |        | ENGR 1304         | ENGR 1204                                    | Engineering Graphics I                             | 3   |     |
| ENGL 1301  |           | College Composition I   | 3   |        | MATH 2414         |  | Calculus II  | 4   |     |
| MATH 2413  |           | Calculus I  | 4   |        | PHYS2325/<br>2125 |  | University Physics I (Lecture & Lab)               | 4   |     |
| CHEM 1311/1111   |           | General Chemistry I (Lecture & Lab)   | 4   |        | ENGR 1000         |  | Thriving in Engineering                            |     | 0   |
| HIST 1301  |           | United States History I   | 3   |        | ENGL 2311         |  | Technical & Business Writing                       | 3   |     |
|  |           |   |     |        |                   |  |  |     |     |
|  |           |   | 16  | 0      |                   |  |  | 14  | 0   |
| SOPHOMORE YEAR   |           |   |     |        |                   |  |  |     |     |
| Fall   |           |   |     | Spring |                   |  |  |     |     |
| HCC  | UT Tyler  | Title   | HCC | UTT    | HCC               | UT Tyler                                     | Title  | HCC | UTT |
| CHEM 1412  |           | General Chemistry II (Lecture & Lab)  | 4   |        | SPCH 1315         | CMST 1315                                    | Introduction to Public Speaking                    | 3   |     |
| ENGR 2301  |           | Engineering Mechanics - Statics   | 3   |        | ENGR 2332         | CENG 3306                                    | Mechanics of Materials                             | 3   |     |
| ECON 2301 or<br>ECON 2302  |           | Principles of Macroeconomics or Principles of Microeconomics  | 3   |        | MATH 2320         | MATH 3305                                    | Differential Equations                             | 3   |     |
| MATH 2415  |           | Calculus III  | 4   |        | ENGR 2302         | CENG 3306                                    | Engineering Mechanics - Dynamics                   | 3   |     |
| ENGR 2304  |           | Programming for Engineers   | 3   |        | GOVT 2305         |  | Federal Government                                 | 3   |     |
|  |           |   |     |        | Various           | Other than<br>CHFM or<br>PHYS                | Additional Science Elective                        | 3   |     |
|  |           |   | 17  | 0      |                   |  |  | 18  | 0   |
| JUNIOR YEAR  |           |   |     |        |                   |  |  |     |     |
| Fall   |           |   |     | Spring |                   |  |  |     |     |
| HCC  | UT Tyler  | Title   | HCC | UTT    | HCC               | UT Tyler                                     | Title  | HCC | UTT |
| GOVT 2306  | POLS 2306 | Introductory Texas Politics   | 3   |        | PHIL 2306         |  | Introduction to Ethics                             | 3   |     |
|  | CENG 3434 | Civil Engineering Materials, Codes, and Specifications  |     | 4      |                   | CENG 3361                                    | Applied Engineering Hydrology and Hydraulic Design |     | 3   |
|  | CENG 3310 | Fluid Mechanics and Hydraulics  |     | 3      |                   | CENG 3351                                    | Transportation Engineering Systems                 |     | 3   |
|  | MATH 3351 | Probability and Statistics for Engineers and  |     | 3      |                   | CENG 3371                                    | Introduction to Environmental Engineering          |     | 3   |
|  | CENG 4339 | Civil Engineering Construction Management   |     | 3      |                   | CENG 3336                                    | Soil Mechanics and Foundation Design               |     | 3   |
|  | CMGT 3104 | Graphical Tools for Design and Modeling of Infrastructure   |     | 1      |                   | CENG 3325                                    | Structural Analysis                                |     | 3   |
|  |           |   | 3   | 14     |                   |  |  | 3   | 15  |
| SENIOR YEAR  |           |   |     |        |                   |  |  |     |     |
| Fall   |           |   |     | Spring |                   |  |  |     |     |
| HCC  | UT Tyler  | Title   | HCC | UTT    | HCC               | UT Tyler                                     | Title  | HCC | UTT |
|  | CENG 4412 | Reinforced Concrete and Steel Design  |     | 4      |                   | CENG 4315                                    | Senior Design II                                   |     | 3   |
|  | CENG 43XX | CE Design Elective 1  |     | 3      |                   | CENG 4341                                    | Leadership, Professionalism, and Public Policy     |     | 3   |
|  | CENG 43XX | CE Design Elective 2  |     | 3      | Various           |  | Creative Arts (3 hrs.)                             | 3   |     |
|  | CENG 43XX | Enrichment Elective (4370, 4395, or 4399)   |     | 3      |                   | CENG Various                                 | CENG Approved Technical Electives                  |     | 3   |
|  | CENG 4115 | Senior Design I   |     | 1      | HIST 1302         |  | U.S. History II                                    | 3   |     |
|  |           |   | 0   | 14     |                   |  |  | 6   | 9   |
| Total Credit Hours at Houston Community College  |           |   |     |        |                   |  |  | 77  |     |
| Total Credit Hours at UT Tyler   |           |   |     |        |                   |  |  | 52  |     |
| Total Credit Hours   |           |   |     |        |                   |  |  | 129 |     |
| Other LD courses (CORE ) may either be taken at HCC or through on-line section enrollment with the MAIN Campus |           |   |     |        |                   |  |  |     |     |



**Bachelor of Science in Chemical Engineering**  
Recommended 4-Year Course Sequence  
2024-2025 Catalog



| FRESHMAN YEAR          |                |   |     |     |                |           |                                       |   |     |
|------------------------|----------------|---|-----|-----|----------------|-----------|---------------------------------------|---|-----|
| Fall                   |                |   |     |     | Spring         |           |                                       |   |     |
| HCC                    | UT Tyler       | Title   | HCC | UTT | HCC            | UT Tyler  | Title                                 | HCC   | UTT |
| ENGR 1201              |                | Introduction to Engineering                                   |     | 2   | ENGL 2311      | ENGL 1302 | Technical and Business Writing        |   | 3   |
| ENGL 1301              |                | College Composition I   |     | 3   | MATH 2414      |           | Calculus II                           |   | 4   |
| MATH 2413              |                | Calculus I  |     | 4   | CHEM 1412      |           | General Chemistry II (Lecture & Lab)  |   | 4   |
| CHEM 1311/1111         |                | General Chemistry I (Lecture & Lab)                           |     | 4   | PHYS 2325/2125 |           | University Physics I (Lecture & Lab)  |   | 4   |
| HIST 1301              |                | United States History I                                       |     | 3   |                | FNGR 1000 | Thriving in Engineering               |   | 0   |
|                        |                |   |     |     |                |           |                                       |   |     |
|                        |                |   |     | 16  |                |           |                                       |   | 15  |
|                        |                |   |     |     |                |           |                                       |   | 0   |
| SOPHOMORE YEAR         |                |   |     |     |                |           |                                       |   |     |
| Fall                   |                |   |     |     | Spring         |           |                                       |   |     |
| HCC                    | UT Tyler       | Title   | HCC | UTT | HCC            | UT Tyler  | Title                                 | HCC   | UTT |
|                        | CHEN 2310**    | Intro. to Chemical Engineering (Elementary Chem. Engineering) |     | 3   | ENGR 2301      |           | Engineering Mechanics: Statics        |   | 3   |
| ECON 2301 or ECON 2302 |                | Principles of Macroeconomics or Principles of Microeconomics  |     | 3   | ENGR 2334      | CHEN 3301 | Chemical Engineering Thermodynamics I |   | 3   |
| PHYS 2326/2126         |                | University Physics (Lecture and Lab)                          |     | 4   | CHEM 2325/2125 |           | Organic Chemistry II (Lecture & Lab)  |   | 4   |
| MATH 2415              |                | Multivariate Calculus (i.e., Calculus III)                    |     | 4   | MATH 2320      | MATH 3305 | Ordinary Differential Equations       |   | 3   |
| CHEM 2323/2123         |                | Organic Chemistry I (Lecture & Lab)                           |     | 4   | GOVI 2305      | POLS 2305 | Federal Government                    |   | 3   |
|                        |                |   |     |     |                |           |                                       |   |     |
|                        |                |   |     | 15  |                |           |                                       |   | 16  |
|                        |                |   |     |     |                |           |                                       |   | 0   |
| JUNIOR YEAR            |                |   |     |     |                |           |                                       |   |     |
| Fall                   |                |   |     |     | Spring         |           |                                       |   |     |
| HCC                    | UT Tyler       | Title   | HCC | UTT | HCC            | UT Tyler  | Title                                 | HCC   | UTT |
|                        | CHEN 3330      | Fluid Mechanics   |     | 3   |                | CHEN 3360 | Chemical Reaction Engineering         |   | 3   |
|                        | CHEN 3302      | Chemical Engineering Thermodynamics II                        |     | 3   |                | CHEN 3340 | Heat Transfer                         |   | 3   |
|                        | CHEN 3310      | Chemical Engineering Materials                                |     | 3   |                | CHEN 3320 | Mass Transfer                         |   | 3   |
|                        | CHEM 3310/3111 | Analytical Chemistry (Lecture & Lab)                          |     | 4   |                | Various   | CHEN Approved Elective 3 hours        |   | 3   |
|                        | MATH 3351      | Probability and Statistics for Engineers and Scientists       |     | 3   | PHIL 2306      |           | Introduction to Ethics                |   | 3   |
|                        |                |   |     |     |                |           |                                       |   |     |
|                        |                |   |     | 0   |                |           |                                       |   | 12  |
|                        |                |   |     | 16  |                |           |                                       |   | 3   |
| SENIOR YEAR            |                |   |     |     |                |           |                                       |   |     |
| Fall                   |                |   |     |     | Spring         |           |                                       |   |     |
| HCC                    | UT Tyler       | Title   | HCC | UTT | HCC            | UT Tyler  | Title                                 | HCC   | UTT |
|                        | CHEN 4310      | Separation Processes  |     | 3   |                | CHEN 4109 | Senior Seminar                        |   | 1   |
|                        | CHEN 4320      | Chemical Engineering Laboratory I                             |     | 3   |                | CHEN 4371 | Chemical Plant Design II              |   | 3   |
|                        | CHEN 4330      | Process Control and Safety                                    |     | 3   |                | CHEN 4360 | Chemical Engineering Laboratory II    |   | 3   |
|                        | CHEN 4170      | Chemical Plant Design I                                       |     | 1   |                | Various   | CHEN Approved Elective 3 hours        |   | 3   |
| SPCH 1315              | CMST 1315      | Introduction to Public Speaking                               |     | 3   | HIST 1302      |           | U.S. History II                       |   | 3   |
| GOVT 2306              | POLS 2306      | Introductory Texas Politics                                   |     | 3   |                |           | Creative Arts Core                    |   | 3   |
|                        |                |   |     |     |                |           |                                       |   |     |
|                        |                |   |     | 6   |                |           |                                       |   | 6   |
|                        |                |   |     | 10  |                |           |                                       |   | 10  |
|                        |                |   |     |     |                |           |                                       | Total Credit Hours at Houston Community College | 86  |
|                        |                |   |     |     |                |           |                                       | Total Credit Hours at UT Tyler                  | 42  |
|                        |                |   |     |     |                |           |                                       | Total Credit Hours                              | 128 |



| HCC  |           | Bachelor of Science in Mechanical Engineering<br>Recommended 4-Year Course Sequence<br>2024-2025 Catalog |     |        |                          | UT Tyler<br>THE UNIVERSITY OF TEXAS AT TYLER |   |   |     |    |
|--|-----------|--|-----|--------|--------------------------|--|---|---|-----|----|
| FRESHMAN YEAR  |           |  |     |        |                          |  |   |   |     |    |
| Fall   |           |  |     | Spring |                          |  |   |   |     |    |
| HCC  | UT Tyler  | Title  | HCC | UTT    | HCC                      | UT Tyler                                     | Title   | HEC   | UTT |    |
| CHEM 1311  |           | General Chemistry I (Lecture)  |     | 3      | PHYS 2325                |  | University Physics I (Lecture)                              |   | 3   |    |
| CHEM 1111  |           | General Chemistry I (lab)  |     | 1      | PHYS 2126                |  | University Physics I (Lab)                                  |   | 1   |    |
| ENGR 1201  | MENG 1301 | Introduction to Engineering  |     | 2      | ENGL 2311                | ENGL 1302                                    | Technical & Business Writing                                |   | 3   |    |
| ENGL 1301  |           | Composition I  |     | 3      | ENGR 2304                | EENG 3308                                    | Programming for Engineers(Programming Languages for Design) |   | 3   |    |
| HIST 1301  |           | United States History I  |     | 3      | ENGR 1304                | MENG 1301                                    | Engineering Graphics  |   | 3   |    |
| MATH 2413  |           | Calculus I   |     | 4      | MATH 2414                |  | Calculus II   |   | 4   |    |
|  |           |  |     |        |                          | ENGR 1000                                    | Thriving in Engineering                                     |   | 0   |    |
|  |           |  |     | 16     |                          |  |   |   | 17  | 0  |
| SOPHOMORE YEAR   |           |  |     |        |                          |  |   |   |     |    |
| Fall   |           |  |     | Spring |                          |  |   |   |     |    |
| HCC  | UT Tyler  | Title  | HCC | UTT    | HCC                      | UT Tyler                                     | Title   | HCC   | UTT |    |
| PHYS 2326  |           | University Physics II (Lecture)  |     | 3      | MATH 2320                | MATH 3305                                    | Differential Equations                                      |   | 3   |    |
| PHYS 2126  |           | University Physics II (Lab)  |     | 1      | ECON 2301 (or ECON 2302) |  | Principles of Macroeconomic (Principles of Microeconomics)  |   | 3   |    |
| MATH 2415  |           | Multivariate Calculus (i.e., Calculus III)   |     | 4      | ENGR 2302                |  | Engineering Mechanics: Dynamics                             |   | 3   |    |
| ENGR 2301  |           | Engineering Mechanics: Statics   |     | 3      | ENGR 2305                | EENG 3301                                    | Electrical Engineering Circuits I (Lecture)                 |   | 3   |    |
|  | MFNG 3319 | Materials Science and Manufacturing  |     | 3      | FNGR 2105                |  | Electrical Engineering Circuits I (Lab)                     |   | 1   |    |
| GOVT 2305  | POLS 2305 | Federal Government   |     | 3      | MATH 2318                | MATH 3203                                    | Matrix Methods in Science and Engineering                   |   | 2   |    |
|  |           |  |     | 14     |                          |  |   |   | 13  | 2  |
| JUNIOR YEAR  |           |  |     |        |                          |  |   |   |     |    |
| Fall   |           |  |     | Spring |                          |  |   |   |     |    |
| HCC  | UT Tyler  | Title  | HCC | UTT    | HCC                      | UT Tyler                                     | Title   | HCC   | UTT |    |
|  | MENG 3401 | Thermodynamics   |     | 4      |                          | MENG 3316                                    | Heat Transfer   |   | 3   |    |
|  | MENG 3310 | Fluid Mechanics  |     | 3      |                          | MENG 3309                                    | Mechanical Systems Design                                   |   | 3   |    |
| ENGR 2332  | MENG 3306 | Mechanics of Materials   |     | 3      |                          | MENG 3211                                    | Thermal-Fluids Laboratory                                   |   | 2   |    |
|  | MENG 3210 | Experimental Measurements and Techniques   |     | 2      |                          | MENG 3303                                    | Dynamics of Machinery                                       |   | 3   |    |
| SPCH 1315  | CMST 1315 | Introduction to Public Speaking  |     | 3      | PHIL 2306                | PHIL 2306                                    | Introduction to Ethics                                      |   | 3   |    |
|  | MATH 3351 | Probability and Statistics for Engineers and Scientists  |     | 3      |                          | Various                                      | Technical Elective  |   | 3   |    |
|  |           |  |     | 3      |                          |  |   |   | 3   | 14 |
| SENIOR YEAR  |           |  |     |        |                          |  |   |   |     |    |
| Fall   |           |  |     | Spring |                          |  |   |   |     |    |
| HCC  | UT Tyler  | Title  | HCC | UTT    | HCC                      | UT Tyler                                     | Title   | HCC   | UTT |    |
|  | MENG 4215 | Senior Capstone Design I   |     | 2      |                          | MENG 4216                                    | Senior Capstone Design II                                   |   | 2   |    |
| HIST 1302  |           | United States History II   |     | 3      | GOVT 2306                | POLS 2306                                    | Introductory Texas Politics                                 |   | 3   |    |
| Various  |           | Creative Arts (Core: 3 hrs.)   |     | 3      |                          | MENG 4326                                    | Finite Element Analysis                                     |   | 3   |    |
|  | Various   | Technical Elective   |     | 3      |                          | Various                                      | Technical Elective  |   | 3   |    |
|  | MENG 4312 | System Dynamics and Control  |     | 3      |                          | Various                                      | Technical Elective  |   | 3   |    |
|  | Various   | Technical Elective   |     | 3      |                          |  |   |   |     |    |
|  |           |  |     | 3      |                          |  |   |   | 3   | 11 |
|  |           |  |     |        |                          |  |   | Total Credit Hours at Houston Community College | 72  |    |
|  |           |  |     |        |                          |  |   | Total Credit Hours at UT Tyler                  | 59  |    |
|  |           |  |     |        |                          |  |   | Total Credit Hours                              | 131 |    |
| Other LD courses (CORE ) may either be taken at HCC or through on-line section enrollment with the MAIN Campus |           |  |     |        |                          |  |   |   |     |    |





**Bachelor of Science in Electrical Engineering**  
Recommended 4-Year Course Sequence  
2024-2025 Catalog



| FRESHMAN YEAR  |                |   |     |     |                |                |  |            |     |
|--|----------------|---|-----|-----|----------------|----------------|--|------------|-----|
| Fall   |                |   |     |     | Spring         |                |  |            |     |
| HCC  | UT Tyler       | Title   | HCC | UTT | HCC            | UT Tyler       | Title  | HCC        | UTT |
| ENGL 1301  |                | College Composition I                                 | 3   |     | ENGL 2311      |                | Technical and Business Writing                             | 3          |     |
| CHEM 1311/1111   |                | General Chemistry I (Lecture & Lab)                   | 4   |     | PHYS 2325/2125 |                | University Physics I (Lecture & Lab)                       | 4          |     |
| MATH 2413  |                | Calculus I  | 4   |     | MATH 2414      |                | Calculus II [TCCN: MATH 2414]                              | 4          |     |
| COSC 1436  | COSC 1336      | Programming Fundamentals (Programming Fundamentals I) | 4   |     | COSC 1437      | COSC 1337      | The Object-Oriented Paradigm (Programming Fundamentals II) | 4          |     |
| ENGR 1201  | EENG 1101      | Introduction to Engineering                           | 2   |     | HIST 1301      |                | U.S. History I   | 3          |     |
|  |                |   |     |     |                | ENGR 1000      | Thriving in Engineering                                    |            | 0   |
|  |                |   | 17  | 0   |                |                |  | 18         | 0   |
| SOPHOMORE YEAR   |                |   |     |     |                |                |  |            |     |
| Fall   |                |   |     |     | Spring         |                |  |            |     |
| HCC  | UT Tyler       | Title   | HCC | UTT | HCC            | UT Tyler       | Title  | HCC        | UTT |
| ECON 2301  |                | Principles of Macroeconomics                          | 3   |     | ENGR 2305/2105 | EENG 3304      | Electrical Circuits I (Lecture and Lab)                    | 4          |     |
| MATH 2415  |                | Multivariate Calculus (i.e., Calculus III)            | 4   |     | MATH 2320      | MATH 3305      | Ordinary Differential Equations                            | 3          |     |
| PHYS 2326/2116   |                | University Physics II (Lecture & Lab)                 | 4   |     | ENGR 2306/2106 | EENG 3302      | Introduction to Digital Systems (Lecture and Lab)          | 4          |     |
| GOVT 2305  | POLS 2305      | Federal Government                                    | 3   |     | ENGR 2304      | EENG 3308      | Programming Languages for Design                           | 3          |     |
|  | MATH 3202      | Matrix Methods In Science Engineering                 |     | 2   | PHIL 2306      |                | Introduction to Ethics                                     | 3          |     |
|  |                |   | 14  | 2   |                |                |  | 17         | 0   |
| JUNIOR YEAR  |                |   |     |     |                |                |  |            |     |
| Fall   |                |   |     |     | Spring         |                |  |            |     |
| HCC  | UT Tyler       | Title   | HCC | UTT | HCC            | UT Tyler       | Title  | HCC        | UTT |
| SPCH 1315  | CMST 1315      | Introduction to Public Speaking                       | 3   |     |                | EENG 4307      | Microprocessors and Embedded Systems                       |            | 3   |
|  | MATH 3351      | Probability and Statistics for Engineers and          |     | 3   |                | EENG 4308      | Automatic Control Systems                                  |            | 3   |
|  | EENG 3303      | Electromagnetic Fields                                |     | 3   |                | EENG 4311      | Signals and Systems  |            | 3   |
|  | EENG 3305      | Linear Circuits Analysis II                           |     | 3   |                | EENG 4309/4109 | Electronic Circuits Analysis II (Lecture & Lab)            |            | 4   |
|  | EENG 3306/3106 | Electronic Circuit Analysis I (Lecture & Lab)         |     | 4   |                | Various        | Engineering or Science Elective                            |            | 3   |
|  |                |   | 3   | 13  |                |                |  | 0          | 16  |
| SENIOR YEAR  |                |   |     |     |                |                |  |            |     |
| Fall   |                |   |     |     | Spring         |                |  |            |     |
| HCC  | UT Tyler       | Title   | HCC | UTT | HCC            | UT Tyler       | Title  | HCC        | UTT |
| HIST 1302  |                | U.S. History II                                       | 3   |     | GOVT 2306      | POLS 2306      | Introductory Texas Politics                                | 3          |     |
|  | EENG 4115      | Senior Design I                                       |     | 1   | Various        |                | Creative Arts Core   | 3          |     |
|  | EENG           | Electric Power Systems (Lecture & Lab)                |     | 4   |                | EENG 4315      | Senior Design II   |            | 3   |
|  | EENG 4312      | Communications Theory                                 |     | 3   |                | EENG 43XX      | Approved 4000 level Technical Elective                     |            | 3   |
|  | EENG 43XX      | Approved 4000 level Technical Elective                |     | 3   |                | Various        | Student Enrichment Experience                              |            | 3   |
|  | EENG 43XX      | Approved 4000 level Technical Elective                |     | 3   |                |                |  |            |     |
|  |                |   | 3   | 14  |                |                |  | 6          | 9   |
| <b>Total Credit Hours at Houston Community College</b> |                |   |     |     |                |                |  | <b>78</b>  |     |
| <b>Total Credit Hours at UT Tyler</b>                  |                |   |     |     |                |                |  | <b>54</b>  |     |
| <b>Total Credit Hours</b>                              |                |   |     |     |                |                |  | <b>132</b> |     |



|  <b>Bachelor of Science in Construction Engineering</b>  |           |   |     |     |                   |           |  |     |     |
|--|-----------|---|-----|-----|-------------------|-----------|--|-----|-----|
| Recommended 4-Year Course Sequence<br>2024-2025 Catalog  |           |   |     |     |                   |           |  |     |     |
| SUMMER   |           |   |     |     |                   |           |  |     |     |
| Summer I   |           |   |     |     | Summer II         |           |  |     |     |
| HCC  | UT Tyler  | Title   | HCC | UTT | HCC               | UT Tyler  | Title  | HEC | UTT |
| CHEM 1311  |           | General Chemistry I (Lecture)                                 | 3   |     |                   |           |  |     |     |
| CHFM 1111  |           | General Chemistry I (Lab)                                     | 1   |     |                   |           |  |     |     |
|  |           |   | 4   | 0   |                   |           |  |     |     |
| FRESHMAN YEAR  |           |   |     |     |                   |           |  |     |     |
| Fall   |           |   |     |     | Spring            |           |  |     |     |
| HCC  | UT Tyler  | Title   | HCC | UTT | HCC               | UT Tyler  | Title  | HEC | UTT |
| ENGR 1201  |           | Introduction to Engineering                                   | 2   |     | ENGR 1304         | ENGR 1204 | Engineering Graphics I                                 |     | 3   |
| ENGL 1301  |           | College Composition I   | 3   |     | MATH 2414         |           | Calculus II  |     | 4   |
| MATH 2413  |           | Calculus I  | 4   |     | ACCT 2301         |           | Principles of Financial Accounting                     |     | 3   |
| CHEM 1412/1112<br>or MATH 2415   |           | General Chemistry II (Lecture & Lab) or<br>Calculus III       | 4   |     | PHYS<br>2325/2125 |           | University Physics I (Lecture & Lab)                   |     | 4   |
| HIST 1301  |           | United States History I                                       | 3   |     | ENGL 2311         | ENGL 1302 | College Composition II                                 |     | 3   |
|  |           |   |     |     |                   | ENGR 1000 | Thriving in Engineering                                |     | 0   |
|  |           |   | 16  | 0   |                   |           |  | 17  | 0   |
| SOPHOMORE YEAR   |           |   |     |     |                   |           |  |     |     |
| Fall   |           |   |     |     | Spring            |           |  |     |     |
| HCC  | UT Tyler  | Title   | HCC | UTT | HCC               | UT Tyler  | Title  | HCC | UTT |
| PHYS 2326  |           | University Physics II (Lecture)                               | 3   |     | ENGR 2332         | CENG 3306 | Mechanics of Materials                                 |     | 3   |
| PHYS 2126  |           | University Physics II (Lab)                                   | 1   |     | GOVT 2305         | POLS 2305 | Federal Government                                     |     | 3   |
| ECON 2301 (or<br>ECON 2302)  |           | Principles of Macroeconomic (Principles of<br>Microeconomics) | 3   |     | GEOG 1403         | GEOG 3310 | Physical Geology                                       |     | 4   |
| ENGR 2301  |           | Engineering Mechanics: Statics                                | 3   |     |                   | MATH 3351 | Probability and Statistics for Engineers and Scientist |     | 3   |
| ENGR 2304  | EENG 3308 | Programming for Engineers                                     | 3   |     | PHIL 2306         |           | Intro to Ethics  |     | 3   |
|  | CENG 2336 | Geomatics   |     | 3   |                   |           |  |     |     |
|  |           |   | 13  | 3   |                   |           |  | 13  | 3   |
| JUNIOR YEAR  |           |   |     |     |                   |           |  |     |     |
| Fall   |           |   |     |     | Spring            |           |  |     |     |
| HCC  | UT Tyler  | Title   | HCC | UTT | HCC               | UT Tyler  | Title  | HCC | UTT |
|  | CONE 3301 | Introduction to Thermo Fluid Sciences                         |     | 3   | SPCH 1315         | CMST 1315 | Introduction to Public Speaking                        |     | 3   |
|  | CMGT 3104 | Graphical Tools for Design and Modeling of<br>Infrastructure  |     | 1   |                   | CMGT 3348 | Construction Safety                                    |     | 3   |
|  | CENG 3434 | Civil Engineering Materials, Codes, and                       |     | 4   |                   | CMGT 4335 | Construction Law and Ethics                            |     | 3   |
|  | CMGT 3365 | Mechanical, Electrical, and Plumbing Systems                  |     | 3   |                   | CENG 3336 | Soil Mechanics and Foundation Design                   |     | 3   |
|  | CENG 4339 | Civil Engineering Construction Management                     |     | 3   |                   | CENG 3325 | Structural Analysis                                    |     | 3   |
| Various  |           | Creative Arts (3 hrs.)  |     | 3   |                   |           |  |     |     |
|  |           |   | 3   | 14  |                   |           |  | 3   | 12  |
| SENIOR YEAR  |           |   |     |     |                   |           |  |     |     |
| Fall   |           |   |     |     | Spring            |           |  |     |     |
| HCC  | UT Tyler  | Title   | HCC | UTT | HCC               | UT Tyler  | Title  | HCC | UTT |
| GOVT 2306  | POLS 2306 | Introductory Texas Politics                                   |     | 3   |                   | CONE 43XX | Enrichment Elective (4370, 4395, or 4399)              |     | 3   |
|  | CENG 4412 | Reinforced Concrete and Steel Design                          |     | 4   | HIST 1302         | HIST 1303 | U.S. History II  |     | 3   |
|  | CENG 4351 | Traffic Engineering: Operations and Control                   |     | 3   |                   | CONE 4315 | Senior Design II                                       |     | 3   |
|  | CONE 4325 | Horizontal & Vertical Construction Techniques                 |     | 3   |                   | CENG 4341 | Leadership, Professionalism, and Public Policy         |     | 3   |
|  | CONE 4115 | Senior Design I   |     | 1   |                   | Various   | CONE Approved Technical Electives                      |     | 3   |
|  |           |   |     |     |                   |           |  |     |     |
|  |           |   | 3   | 11  |                   |           |  | 3   | 12  |
| Total Credit Hours at Houston Community College  |           |   |     |     |                   |           |  |     | 75  |
| Total Credit Hours at UT Tyler   |           |   |     |     |                   |           |  |     | 55  |
| Total Credit Hours   |           |   |     |     |                   |           |  |     | 130 |
| Other LD courses (CORE ) may either be taken at HCC or through on-line section enrollment with the MAIN Campus   |           |   |     |     |                   |           |  |     |     |



**Bachelor of Science in Construction Management**  
 Recommended 4-Year Course Sequence  
 2024-2025 Catalog



| FRESHMAN YEAR  |           |  |     |     |                          |           |   |  |            |
|----------------|-----------|--|-----|-----|--------------------------|-----------|---|--|------------|
| Fall           |           |  |     |     | Spring                   |           |   |  |            |
| HCC            | UT Tyler  | Title  | HCC | UTT | HCC                      | UT Tyler  | Title   | HEC  | UTT        |
| HIST 1301      |           | United States History I  | 3   |     | ENGR 1204                |           | Engineering Graphics  | 2  |            |
| ENGL 1301      |           | College Composition I  | 3   |     |                          | CMGT 2302 | Introduction to Construction Management                                     |  | 3          |
| MATH 2312      |           | Precalculus  | 3   |     | MATH 1342                |           | Statistics (Elementary Statistical Methods)                                 | 3  |            |
| Various        |           | Science including lab (any)                                      | 4   |     | PHYS 1301/1101           |           | College Physics I (Lecture & Lab)   | 4  |            |
| Various        |           | Visual and Performing Arts                                       | 3   |     | ENGL 1302                |           | College Composition II  | 3  |            |
|                |           |  | 16  | 0   |                          |           |   | 12   | 3          |
| SOPHOMORE YEAR |           |  |     |     |                          |           |   |  |            |
| Fall           |           |  |     |     | Spring                   |           |   |  |            |
| HCC            | UT Tyler  | Title  | HCC | UTT | HCC                      | UT Tyler  | Title   | HCC  | UTT        |
| GOVT 2305      | POLS 2305 | Introductory American Government                                 | 3   |     | GOVT 2306                | POLS 2306 | Introductory Texas Politics   | 3  |            |
|                | CENG 2336 | Geomatics  |     | 3   | BUSG 2305                | BLAW 3301 | Business Law and Contracts (WECM curriculum list can be evaluated and used) | 3  |            |
| ACCT 2301      |           | Principles of Financial Accounting                               | 3   |     | ECON 2301 (or ECON 2302) |           | Principles of Macroeconomics (or Principles of Microeconomics)              | 3  |            |
|                | CMGT 2303 | Construction Materials and Methods                               |     | 3   | HIST 1302                |           | United States History II or History of Technology                           | 3  |            |
| SPCH 1315      | CMST 1315 | Introduction to Public Speaking                                  | 3   |     | PHIL 2306                |           | Introduction to Ethics  | 3  |            |
|                |           |  | 9   | 6   |                          |           |   | 15   | 0          |
| JUNIOR YEAR    |           |  |     |     |                          |           |   |  |            |
| Fall           |           |  |     |     | Spring                   |           |   |  |            |
| HCC            | UT Tyler  | Title  | HCC | UTT | HCC                      | UT Tyler  | Title   | HCC  | UTT        |
|                | CMGT 3305 | Applied Construction Management Program Principles and Practices |     | 3   |                          | CMGT 3310 | Construction Structural Analysis I  |  | 3          |
|                | FINA 3311 | Principles of Finance  |     | 3   |                          | CMGT 3320 | Soils and Foundations in Construction                                       |  | 3          |
|                | MANA 3311 | Fundamentals of Management                                       |     | 3   |                          | CMGT 3365 | Mechanical, Electrical, and Plumbing (MEP)                                  |  | 3          |
|                | CMGT 4335 | Construction Law and Ethics                                      |     | 3   |                          | CMGT 3348 | Construction Safety   |  | 3          |
|                | CMGT 3311 | Construction Estimating  |     | 3   |                          | CMGT 3312 | Advanced Estimating   |  | 3          |
|                |           |  | 0   | 15  |                          |           |   | 0  | 15         |
| SENIOR YEAR    |           |  |     |     |                          |           |   |  |            |
| Fall           |           |  |     |     | Spring                   |           |   |  |            |
| HCC            | UT Tyler  | Title  | HCC | UTT | HCC                      | UT Tyler  | Title   | HCC  | UTT        |
|                | CMGT 4331 | Construction Scheduling  |     | 3   |                          | CMGT 4313 | Construction Applications for Concrete                                      |  | 3          |
|                | CMGT 4375 | Construction Administration and                                  |     | 3   |                          | CMGT 4385 | Commercial Construction   |  | 3          |
|                | CMGT 3315 | Construction Structural Systems II                               |     | 3   |                          | CMGT 4395 | Construction Management Capstone  |  | 3          |
|                | CMGT 3104 | Advance graphics, Civil3D and Revit                              |     | 1   |                          | CMGT 4315 | Construction Applications for Steel   |  | 3          |
|                | CMGT 4370 | Construction Management Internship                               |     | 3   |                          | Various   | Approved Elective   |  | 3          |
|                | CMGT 4195 | Construction Management Capstone I                               |     | 1   |                          |           |   |  |            |
|                |           |  | 0   | 14  |                          |           |   |  |            |
|                |           |  |     |     |                          |           |   | <b>Total Credit Hours at Houston Community College</b> | <b>52</b>  |
|                |           |  |     |     |                          |           |   | <b>Total Credit Hours at UT Tyler</b>                  | <b>68</b>  |
|                |           |  |     |     |                          |           |   | <b>Total Credit Hours</b>                              | <b>120</b> |

Other LD courses (CORE) may either be taken at HCC or through on-line section enrollment with the MAIN Campus.