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| |  |  | | --- | --- | | **Housatonic Community College** 2006-2007 Course Selection Guide for  **College of Technology Pathway Program:  Engineering Science Option**  Associate in Science Degree  (Banner code: EB16)     **(Must be printed and filled out manually) Read General Program Information Here** | | | Name | Banner ID No. | | Address | Program Entry Date | |  | Advisor |   **Placement Assessment:**   |  |  |  |  | | --- | --- | --- | --- | | MAT\* 075 (DS091) \_\_\_\_\_ | MAT\* 095 (DS095) \_\_\_\_\_ | DS099 \_\_\_\_\_ |  | | ENG\* 003(DS010) \_\_\_\_\_ | ENG\* 013 (DS050) \_\_\_\_\_ | ENG\* 043 (EN100R) \_\_\_\_ | ENG\* 073 (DS 011) \_\_\_\_\_ |   **Program Requirements :**   |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | Semester Taken | Course No. | Grade | Course Number (Previous No.) | Course Title | Credits | |  |  |  | **Art** **1** | Elective | 3 | |  |  |  | **Economics** **1** | Elective | 3 | |  |  |  | **History** **1** | Elective | 3 | |  |  |  | **Philosophy** **1** | Elective | 3 | |  |  |  | **CSC\* E106** (CS 107) | Structured Programming | 3 | |  |  |  | **MAT\* E254** (MA 201) | Calculus I | 4 | |  |  |  | **MAT\* E256** (MA 202) | Calculus II | 4 | |  |  |  | **MAT\* E268** (MA 203) | Calculus III: Multivariable | 4 | |  |  |  | **MAT\* E285** (MA 204) | Differential Equations | 3 | |  |  |  | **CAD\* E133** (MFT\* E105) | CAD Mechanical AutoCad | 3 | |  |  |  | **MFG\* E102** (MFT\* E110) | Manufacturing Processes | 3 | |  |  |  | **PHY\* E121** (PH 101) | General Physics I | 4 | |  |  |  | **PHY\* E122** (PH 102) | General Physics II | 4 | |  |  |  | **CHE\* E121** (CH 121) | General Chemistry I | 4 | |  |  |  | **CHE\* E122** (CH 122) | General Chemistry II | 4 | |  |  |  | **ENG\* E101** (EN 101) | Composition | 3 | |  |  |  | **ENG\* E102** (EN 102) | Literature & Composition | 3 | |  |  |  | **EGR\* 211** **2** | Engineering Statistics | 3 | |  |  |  | **EGR\* 212** **2** | Engineering Dynamics | 3 | |  |  |  |  |  |  | |  |  |  |  |  |  | |  |  |  |  |  |  | |  |  |  |  |  |  | |  |  |  |  |  |  | |  |  |  |  |  |  | | **Total Credits** | | | | | 64 |   NOTE: Not all courses are offered at HCC. NOTE: For students interested in Chemical Engineering, Computer Science and Engineering, or Electrical Engineering, additional technical coursework is needed prior to the junior year in the UConn curriculum. This coursework may be completed at one of the regional UCONN campuses while progressing through the Pathway Program or may be obtained through the use of the electives prescribed in the core listed above.  **1** For students persuing Mechanical Engineering degree at Fairfield University the following courses must be taken as electives: ART\* E101, ECN\* E102, HIS\* E101, PHL\* E151.  **2** Course is not offered at Housatonic, may be taken at Fairfield University (Engineering Statistics ME 201, Engineering Dynamics ME 203), Gateway Community College or Norwalk Community College. |

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