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| |  |  | | --- | --- | | **Housatonic Community College**  Course Selection Guide for **2011-2012** **College of Technology Pathway Program:  Engineering Science Option**  Associate in Science Degree  (Banner code: EB16) **(Must be printed and filled out manually)** | | | 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) | □ ENG\* 093 |   **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\* E221** (PH 205) **2** | Calculus-Based Physics I | 4 | |  |  |  | **PHY\* E222** (PH 206) **2** | Calculus-Based 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\* E211** **3** | Engineering Statics | 3 | |  |  |  | **EGR\* E212** **3** | Engineering Dynamics | 3 | | **Total Credits** | | | | | 64 |   NOTE: All courses may not be 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 pursuing a Mechanical Engineering degree at Fairfield University the following courses must be taken as electives: ART\* E101, ECN\* E102, HIS\* E101, PHL\* E151. **2** This course is offered in the SUMMER SESSION ONLY at HCC. It may also be taken at another Community College. **3** Course is offered at HCC through a video teleconferencing format in conjunction with Fairfield University. The course is also offered at Gateway Community College and Norwalk Community College. Note: For degree completion the student must complete the Computer Literacy Requirement. Note: A minimum of 15 credits must be taken in 200-level coursrs |

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