**PATHWAYS**  
*Energy Services and Technology (A.A.S. Degree)*  
**FALL 2014-SPRING 2015**

### REMEDIAL SEQUENCE (if required)
- ESL 1 (8)  
- ESL 2 (6)  
- ESL 3 (6)  
- ENG 9 (4)
- ESL 1 (4)  
- ESL 2 (4)
- RDL 1 (5)  
- RDL 2 (5)
- MTH 1 (4)  
- MTH 5 (6)  
- MTH 06 (6)
- CHM 2 (4)

### GRADUATION REQUIREMENTS
- CAT-R  
- CAT-W  
- CAT-M  
- 2.0 ≥ GPA
- Writing Intensive 1  
- Writing Intensive 2

### FRESHMAN REQUIREMENT
- FYS 11/ OCD-1

1 Students planning on transferring to a four-year program may substitute MTH 30 and MTH 31 for MTH 13 and MTH 23.

### REQUIRED COMMON Core (course list available online)
- □ A English Composition  
  ENG 10 OR ENG 11: AND ENG 12  
  6
- □ B Mathematical and Quantitative Reasoning  
  MTH 23 Probability and Statistics\(^1\)  
  3
- □ C Life and Physical Sciences  
  PHY 11 College Physics  
  4

**Subtotal: 13**

### FLEXIBLE COMMON Core (course list available online)
- □ A World Cultures and Global Issues  
  HIS 10 History of the Modern World OR HIS 11 Introduction to the Modern World  
  3
- □ D Individual and Society  
  COMM 11 Fundamentals of Interpersonal Communication  
  3
- □ E Scientific World  
  ENV 11 Introduction to Environmental Health OR CHM 11 General College Chemistry I  
  4

**Subtotal: 10**

### REQUIRED AREA OF STUDY
- □ BUS 10 or BUS 51 Introduction to Business OR Business Organization and Management  
  3
- □ COMM 12 Voice and Diction: Business and Professional Speech  
  2
- □ ECO 11 or ECO 12 Microeconomics OR Macroeconomics  
  3
- □ ELC 11 DC Circuit Analysis  
  4
- □ ELC 15 Computer Applications in Technology  
  2
- □ MTH 13 Trigonometry and College Algebra\(^1\)  
  3
- □ Restricted Elective Choose from:  
  ART 10, MUS 10, PEA (one credit course), CPR 10, OR WFA 10  
  1

**Subtotal: 18**

### SPECIALIZATION REQUIREMENTS
- □ EST 11 Introduction to Energy Technology  
  2
- □ EST 15 Energy Economics  
  3
- □ EST 21 Energy Analysis of Mechanical and Electrical Equipment  
  2
- □ EST 31 Building Systems I  
  3
- □ EST 32 Building Systems II  
  3
- □ EST 41 Principles of Energy Management I  
  3
- □ EST 42 Principles of Energy Management II  
  3

**Subtotal: 19**

**TOTAL: 60**