### REQUIRED COGNATE—DEPENDS ON MATH PLACEMENT

**Area VI**
- MATH 1100/Placement test
- **PHYS 1070/1080** Elementary Physics and lab
- Total Credits (5 if needed)

### REQUIRED COURSES

#### Area VII
- **Select one**
  - AVS 2800 Transportation Tech or
  - EDMM 1220 Automobile in Society
- **Proficiency 1**
  - ENGL 1000/Placement
  - *ENGL 1050* Thought & Writing
  - FCS 1490 Design Com I: Architectural Drawing (f)
  - FCS 2400 Woodworking (sp odd years)
  - FCS 3530 Intro to Construction Environment (sp)
  - **EDMM 1420** Engineering Graphics
- **Area VII**
  - **EDMM 1430** Product Design Fundamentals (f)
  - **PHYS 1070/1080** w/"C" or better
  - **EDMM 2001** Applied Electricity & Electronics
  - CHEM 1100/1110 recommended
  - **EDMM 2500** Plastics Properties & Processes
  - **EDMM 1500** recommended
  - **EDMM 2540** Machining Processes
  - **EDMM 1420**
  - **EDMM 2460** Intro to CAD
- Total Credits (37)

### CAREER & TECHNICAL EDUCATION (CTE)

- 56+ hours
  - **CTE 5120** Principles of CTE
  - **CTE 5100** Special Populations in CTE
  - **CTE 3050** Career and Employability Skills
  - **CTE 5420** Curriculum Development in CTE
  - **CTE 5130** Teaching Methods in CTE
  - **CTE 5130 & 5420** (may be taken concurrently), may take with **LS 3050**
  - **CTE 3480** Student Assessment & Management – pre-internship experience in a school setting required (minimum one day per week)
- Total Credits (18)

### REQUIRED EDUCATION COURSES

- **Select one**
  - *FCS 2140* Child Development or
  - *ED 2500* Human Development
  - Admission to Upper Level
    - *LS 3050* K-12 Content Literacy
  - All coursework must be completed
    - **CTE 4100** Seminar in Education
    - **CTE 4750** Intern Teaching in CTE
- Total Credits (18)

*Requires “C” grade or better*