**ME 433 Learning Skills (\*\* Indicates high priority skill for course)**

**COGNITIVE:  
  
Identifying Assumptions**\*\* -- examining preconceptions/biases

**Inquiring** \*\* -- asking key questions

**Diagramming**\*\* -- clarifying relationships through visual representation

**Validating** \*\* -- using alternative methods to test results

**Reasoning with Theory**\*\* -- explaining data with accepted knowledge

**Integrating** – combining parts into a new whole

**Selecting Tools** – finding methods and software to facilitate solutions

**Generalizing Solutions** – modifying for broader applicability

**Locating Relevant Literature** – searching out key sources

**SOCIAL:**  
**Collaborating**\*\* -- working together for mutual benefit

**Assessing Performance**\*\* - providing feedback for improving performance

**Sharing Knowledge** – effectively presenting relevant facts and interpretations

**Persuading** – using information to selectively convince

**Initiating Interaction** – approaching and engaging others

**Being Non-judgmental** – responding with an assessment mindset  
  
**AFFECTIVE:**  
**Preparing**\*\* -- taking action to insure exemplary outcomes

**Being Proactive**\*\* -- planning ahead to create new opportunities

**Persisting** – continuing despite difficulties

**Accepting Help** – overcoming personal limitations with help from others

**Seeking Assessment** – analyzing past performance to improve future performance