**Baccalaureate Degree (Minimum 130 Credits)**
Cumulative “2” or Better Required for Graduation

**Worksheet for ENGINEERING MANAGEMENT, B.S.**
Dept. of Business Administration

### COMMON CORE: 1
- 15 Credits
- Analytical Reading/Writing \( \text{WRT102} \)
- Academic Writing \( \text{WRT202} \)
- Human Communication \( \text{CM104} \)
- Analytic. Geom./Calculus I \( \text{MAT171} \)
- Physical Education (2 crs.) __________

### AREA DISTR. REQUIREMENTS: 2

**I. Fine Arts & Humanities** 6 Credits

**II. Social & Behav. Sciences** 6 Credits

**Satisfied by Major Requirements**

**III. Laboratory Sciences**

**Satisfied by Major Requirements**

**IV. Am./West. Civ., Amer. Govt.** 6 Credits

**V. Int'l. Studies/Forgn. Lang.** 6 Credits

### ELECTIVE COURSES: 3
- 12 Credits

### REQUIRED MAJOR COURSES: 4
- 85-87 Credits
  - **Math/Science Component** (18 Credits)
    - Analytical Geo & Calc II \( \text{MAT172} \)
    - Differential Equations \( \text{MAT272} \)
    - Eng. Physics-Mechanics \( \text{PHY160} \)
    - Eng Physics – E & M \( \text{PHY260} \)

  **General Business Component** (39 Credits)
  - Principles of Marketing \( \text{MKT100} \)
  - Principles of Management \( \text{MGT150} \)
  - Financial Accounting \( \text{ACC220} \)
  - Managerial Accounting \( \text{ACC225} \)
  - Legal Environmnet of Bus \( \text{BUS260} \)
  - Principles of Econ. (Macro) \( \text{ECO200} \)
  - Principles of Econ. (Micro) \( \text{ECO201} \)
  - Managerial Finance \( \text{FIN300} \)
  - Operations Management \( \text{SCM300} \)
  - Management Info Systems \( \text{IFS305} \)
  - International Management \( \text{IBS375} \)
  - Integrated Business Exp \( \text{BUS494} \)
  - Business Strategy \( \text{BUS495} \)

  **Engineering Management Comp (6 Cr)**
  - Bus Proc Mgt Imp & Ctrl \( \text{SCM325} \)

  Choose one elective from the following:
  - Business Modeling \( \text{QBA330} \)
  - Project Management \( \text{IFS435} \)
  - Lean Systems \( \text{SCM320} \)
  - Continuous Improvmt Cons \( \text{SCM485} \)

  **Engineering Component** (22-27 Credits)
  - EPADS \( \text{EGR100} \)
  - Fund Electrical Engineering \( \text{ECE280} \)

Select one of the following sequences:
- Electrical Engineering
- Mechanical Engineering

### Electrical Engineering:
- Fund of Comp Sci I \( \text{CS101} \)
- Fund of Comp Sci II \( \text{CS201} \)
- D & A Digital Systems \( \text{ECE220} \)
- Fund Comp Engineering \( \text{ECE260} \)
- Waves & Optics \( \text{ECE270} \)

Choose one course from:
- (CS420; ECE310, 332, 360; EGR342)

### Mechanical Engineering:
- Stat Design/Proc Control \( \text{EGR305} \)
- Statics \( \text{ME250} \)
- Strength of Materials \( \text{ME264} \)
- Materials/Solids Lab \( \text{ME265} \)
- Thermodynamics \( \text{ME320} \)

Choose one course from:
- (EGR342; ME351; EGR290/491; ME252; ME260/261; ME360/361; ME480)

* A cumulative grade point average of “2” or greater is required in the Math/Science and Engineering Component courses. At least three 300-level courses and BUS495 must be taken at York College.

Any course that is a prerequisite course must be passed with at least a “2” before its post-requisite course may be attempted. A student who has received less than a “2” in any prerequisite business administration course will be permitted to repeat the course a maximum of two additional times (three total attempts). Withdrawal from a course does not count in the “attempts” total.

**A grade of “2” or greater is required in each Math/Science and Engineering Component course.**

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