College of Basic and Applied Sciences

Upper Division Form 2016-2017

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| Student name |  |  | Student # |  |
|  |  |  |  |  |
| Major | Concrete Industry Management |  | Minor | Business Administration |
|  |  |  |  |  |
| Concentration | Production Sales & Service |  |  |  |

**Instructions: For students graduating in Fall 2016 or later. *One (1) copy signed by major and minor advisors should be filed with the
Graduation Coordinator in KUC 322 three semesters prior to graduation. An Intent to Graduate form should be submitted with this form.***

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| **General Studies Area** | Course | **Semester**  | Grade | Notes | Credit Hours |
| **COMMUNICATION** (9 hours) | **ENGL 1010** |  |  |  | 3 |
| **ENGL 1020** |  |  |  | 3 |
| **COMM 2200** |  |  |  | 3 |
| **HISTORY** (6 hours)Choose two: HIST 2010, HIST 2020, HIST 2030 |  |  |  |  | 3 |
|  |  |  |  | 3 |
| **HUMANITIES AND/OR FINE ARTS** (9 hours) Choose 1: ENGL 2020, 2030 or HUM 2610. Choose 2 with different prefixes: ANTH 2210, ART 1030, 1910, or 1920, DANC 1000, HIST 1010, 1020, 1110, or 1120, MUS 1030, PHIL 1030, THEA 1030 |  |  |  |  | 3 |
|  |  |  |  | 3 |
|  |  |  |  | 3 |
| MATHEMATICS (3 hours required for General Studies) MATH 1630 (3 hour credit) or MATH 1720 (3 hour credit)  |  |  |  |  |  3 |
| **NATURAL SCIENCES** (8 hours)  | **CHEM 1010/1011 or CHEM 1110/11** |  |  |  | 4 |
| **GEOL 1030/31 or GEOL 1040/41** |  |  |  | 4 |
| **SOCIAL/BEHAVIORAL SCIENCES** (6 hours**)***Choose two*: **ECON 2410, PSY 1410**, HLTH 1530/31, SOC 1010, SOC 2010**,** AAS 2100, ANTH 2010, econ 2420, EMC/JOUR/RIM 1020, GEOG 2000, GS 2010, PS 1010. PS 1005, RS 2030, WGST 2100 **(Courses in bold are recommended)** |  |  |  |  | 3 |
|  |  |  |  | 3 |
| Hours Required | 41 |
| **Major Courses (2.0 GPA required for graduation)** | Course | **Semester**  | Grade | Notes | Credit Hours |
| **Introduction to the Concrete Industry** | **CIM 1010** |  |  |  | 1 |
| **Blueprint Reading** | **CIM 1050** |  |  |  | 1 |
| **Fundamentals of Concrete: Properties & Testing** | **CIM 3000** |  |  | Pre req: CIM 1010 & CHEM | 4 |
| **Concrete Construction Methods** | **CIM 3050** |  |  | Pre req: CIM 3000 | 3 |
| **Understanding the Concrete Construction System** | **CIM 3060** |  |  | Pre req: CIM 3050 | 3 |
| **Applications of Concrete in Construction** | **CIM 3100** |  |  | Pre req: CIM 3050 | 3 |
| **Concrete Industry Internship** | **CIM 3300** |  |  | Pre req: CIM 3000 | 2 |
| **Issues in the Concrete Construction Industry: Legal & Ethical**  | **CIM 4030** |  |  | Pre req: CIM 3100 | 1 |
| **Concrete Problems: Diagnosis, Prevention, & Dispute Resolution** | **CIM 4150** |  |  | Pre req: CIM 3100 | 3 |
| **Senior Concrete Lab** | **CIM 4200** |  |  | Pre req: CIM 3000, sr standing, taken in last semester | 2 |
| **Capstone** | **CIM 4910** |  |  | Pre req: CIM 3000, sr standing, taken in last semester | 3 |
| **PRODUCTION SALES & SERVICE CONCENTRATION** |
| **Management of Concrete Products: Ordering & Delivering** | **CIM 4050** |  |  | Pre req: CIM 3100 | 3 |
| **Management of Concrete Products: Production Facilities** | **CIM 4060** |  |  | Pre req: CIM 3100 | 3 |
| **Concrete Mixture Design** | **CIM 4300** |  |  | Pre req: CIM 3100 | 2 |
| **Operations Management** | **ET 3910 orMGMT 3620** |  |  | Pre req: jr standing | 3 |
| **Engineering Safety** | **ENGR 3920** |  |  |  | 3 |
| **Cognate Elective (Choose from approved Cognate list)** |  |  |  |  | 3 |
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| **Cognate Elective (Choose from approved Cognate list)** |  |  |  |  | 3 |
| **Hours Required** | 52 |

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| Supporting and Elective Courses |
| Course | **Semester**  | Grade | Notes | Credit Hours |
| **Choose 1: PSY 3020, BIA 2610 or MATH 1530**  |  |  |  | 3 |
| **Choose 1: ENGL 3605, ENGL 3620, COMM 3230, HSC 3020, or JOUR 2710** |  |  |  | 3 |
| **Choose 1: CIM 3090, 4400, CIM 4500, or CIM 4600** |  |  |  | 3 |
| Hours Required | 9 |

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| Business Administration Minor (2.0 GPA required) |
| Course | **Semester** | Grade | **Notes** | Credit Hours |
| **Survey of Accounting for General Business / ACTG 3000** |  |  | College level math, ENGL 1010, sophomore | 3 |
| **Legal Environment of Business / BLAW 3400** |  |  | Jr standing | 3 |
| **Choose 1: Principles of Financial Management / FIN 3000** **or Business Finance / FIN 3010** |  |  | Jr standing | 3 |
| **Computer Orientation / CSCI 1150** |  |  |  | 3 |
| **Principles of Management / MGMT 3610** |  |  | Jr standing | 3 |
| **Principles of Marketing / MKT 3820** |  |  | Jr standing | 3 |
| Hours Required | 18 |
| Signed:  |  |  |
| Minor Advisor | Date |

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| Optional 2nd Minor |
| Course | **Semester** | Grade | **Notes** | Credit Hours |
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|  |  |  |  |  |
| Hours Required |  |
| Signed:  |  |  |
| Minor Advisor | Date |

**1. Degrees require a minimum of 120 semester hours (12 of the last 18 at MTSU) with a 2.0 GPA, a minimum of 42 upper-division hours (30 at MTSU) with a**

 **2.0 GPA, and a minimum of 60 senior college hours.**

**2. Learning Support courses do not count toward the 120-hour requirement or cumulative degree GPA.**

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| Signed:  |  |  |
| Major Advisor | Date |