**BS in Industrial Technology/MBA Sample Study Plan (2017-2018 Catalog)**

**Manufacturing Option**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Degrees** | **Semester 1** | **Semester 2** | **Semester 3** | **Semester 4** | **Semester 5** | **Semester 6** | **Semester 7** | **Semester 8** | **Semester 9** | **Semester 10** |
| B.S. in I TEC 120 credits  (minimum) | TSM 110  Intro to Techn.  1 cr | TSM 111  Exper. Techn.  1 cr | TSM 201  Workplace  1 cr | TSM 216  Graphics/CAD  2 cr | TSM 340  Mfg Process.  3 cr | TSM 310  Quality Impr  3 cr | TSM 444  Facility Plan.  3 cr | TSM 443  Statics  3 cr | TSM 415  Techn Capstone I  2 cr | TSM 416  Techn Capstone II  3 cr |
|  | TSM 116  Design in Techn.  3 cr | TSM 115  Techn. Issues  3 cr | TSM 210  Fund. of Techn.  3 cr | STAT 104  Intro. to Stat.  3 cr | TSM 363  Power/Elect  4 cr | TSM 337  Fluid Power  3 cr | TSM 399  Exp. Reflect.  2 cr | TSM 465  Automation  3 cr | TSM 440  Lean Manufac.  3 cr | Elective  Course  4 cr |
|  | ENGL 150  Critical Thinking  3 cr | ECON 101  Microecon.  3 cr | TSM 214  Project Mgmt  1 cr | BIOL 101 or 211 Biology  3 cr | ACCT 284  Fin. Accting  3 cr | TSM 370  Occ. Safety  3 cr |  |  |  |  |
|  | CHEM 163  College Chem.  4 cr | PHYS 111  Physics & Lab  5 cr | TSM 240  Manuf. Process.  3 cr | International  Persp. Course  3 cr | US Diversity  Course  3 cr | Humanities  Course  3 cr |  |  |  |  |
|  | CHEM 163L  Chemistry Lab  1 cr | MATH 151  Calc. for Bus.  3 cr | TSM 270  Injury Prevent.  3 cr | ABE 271, 272, or 273  1 cr | ENGl 302, 309, 314 or AGEDS 327 3 cr | Life Science  Course  3 cr |  |  |  |  |
|  | MATH 145  Applied Trig.  3 cr |  | ENGL 250  WOVE Comp.  3 cr | SP CM 212, 214, or AGEDS 311 3 cr |  |  |  |  |  |  |
|  | LIB 160  Info. Literacy  1 cr |  |  |  |  |  |  |  |  |  |
| MBA  48 credits  (minimum) |  |  |  |  |  |  | ACCT 501  Accounting  3 cr | FIN 501  Finance  3 cr | MGMT 503  Pro Resp in Bus.  3 cr | MBA  Elective  3 cr |
|  |  |  |  |  |  |  | BUSAD 502  Bus. Analysis  3 cr | MKT 501  Marketing  3 cr | MGMT 504  Strategy  3 cr | MBA  Elective  3 cr |
|  |  |  |  |  |  |  | ECON 532  Economics  3 cr | SCM 501  Supply Chain  3 cr (elective) | MBA  Elective  3 cr | MBA  Elective  3 cr |
|  |  |  |  |  |  |  | MGMT 502  Org Behavior  3 cr | MIS 501  Info. Systems  3 cr (elective) |  |  |
|  |  |  |  |  |  |  | BUSAD 592  Prof Skills I  R cr | BUSAD 594  Prof Skills II  R cr |  |  |
| I TEC 120 cr | 16/16 | 15/31 | 14/45 | 15/60 | 16/76 | 15/91 | 5/96 | 12/108 | 5/113 | 7/120 |
| MBA 48 cr |  |  |  |  |  |  | 12/12 | 12/24 | 12/36 | 12/48 |
| Shared 12 cr |  |  |  |  |  |  | 0/0 | 6/6 | 3/9 | 3/12 |
| **156 Total Cr** | **16/16** | **15/31** | **14/45** | **15/60** | **16/76** | **15/91** | **17/108** | **18/126** | **14/140** | **16/156** |

Notes:

Twelve elective credits are applied to both I TEC (Manufacturing Option) and the MBA including SCM 501 (3 cr), MIS 501 (3 cr), TSM 440 (3 cr), and TSM 416 (3 cr).

MBA electives (12 cr) must be 500 level courses in the College of Business.

**BS in Industrial Technology/MBA Sample Study Plan (2017-2018 Catalog)**

**Occupational Safety Option**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Degrees** | **Semester 1** | **Semester 2** | **Semester 3** | **Semester 4** | **Semester 5** | **Semester 6** | **Semester 7** | **Semester 8** | **Semester 9** | **Semester 10** |
| B.S. in I TEC 120 credits  (minimum) | TSM 110  Intro to Techn.  1 cr | TSM 111  Exper. Techn.  1 cr | TSM 201  Workplace  1 cr | TSM 240  Manuf. Process  3 cr | TSM 363  Power/Elect  4 cr | TSM 310  Quality Impr  3 cr | TSM 372\*\*  Legal Aspects  2 cr | Humanities  Course  3 cr | TSM 415  Techn Capstone I  2 cr | TSM 416  Techn Capstone II  3 cr |
|  | TSM 116  Design in Techn.  3 cr | TSM 115  Techn. Issues  3 cr | TSM 210  Fund. of Techn.  3 cr | TSM 371  Occ. S. Mgmt  2 cr | TSM 376\*  Fire Protect.  3 cr | TSM 370  Occ. Safety  3 cr | TSM 399  Work Exper.  2 cr |  | US Diversity  Course  3 cr | Elective  Course  3 cr |
|  | ENGL 150  Critical Thinking  3 cr | ECON 101  Microecon.  3 cr | TSM 214  Project Mgmt  1 cr | STAT 104  Intro. to Stat.  3 cr | TSM 477\*  Risk Analysis  3 cr | ACCT 284  Fin. Accting  3 cr | TSM 470\*\*\*  Ind Hygiene  3 cr |  | TSM 471\*\*\*  Safety Lab  1 cr |  |
|  | CHEM 163  College Chem.  4 cr | PHYS 111  Physics & Lab  5 cr | TSM 270  Injury Prevent.  3 cr | BIOL 155  Human Bio.  3 cr | PSYCH 250  Wrkplc Psych  3 cr | International  Persp Course  3 cr |  |  |  |  |
|  | CHEM 163L  Chemistry Lab  1 cr | MATH 151  Calc. for Bus.  3 cr | H S 105  First Aid  2 cr | SP CM 212, 214, or AGEDS 311 3 cr | ENGl 302, 309, 314 or AGEDS 327 3 cr | Elective  3 cr |  |  |  |  |
|  | MATH 145  Applied Trig.  3 cr |  | ENGL 250  WOVE Comp.  3 cr |  |  |  |  |  |  |  |
|  | LIB 160  Info. Literacy  1 cr |  | BIOL 101 or 211 Biology  3 cr |  |  |  |  |  |  |  |
| MBA  48 credits  (minimum) |  |  |  |  |  |  | ACCT 501  Accounting  3 cr | FIN 501  Finance  3 cr | MGMT 503  Pro Resp in Bus.  3 cr | MBA  Elective  3 cr |
|  |  |  |  |  |  |  | BUSAD 502  Bus. Analysis  3 cr | MKT 501  Marketing  3 cr | MGMT 504  Strategy  3 cr | MBA  Elective  3 cr |
|  |  |  |  |  |  |  | Econ 532  Economics  3 cr | SCM 501  Supply Chain  3 cr (elective) | MBA  Elective  3 cr | MBA  Elective  3 cr |
|  |  |  |  |  |  |  | MGMT 502  Org Behavior  3 cr (elective) | MIS 501  Info Systems  3 cr |  |  |
|  |  |  |  |  |  |  | BUSAD 592  Prof Skills I  R cr | BUSAD 594  Prof Skills II  R cr |  |  |
| I TEC 120 cr | 16/16 | 15/31 | 16/47 | 14/61 | 16/77 | 15/92 | 10/102 | 6/108 | 6/114 | 6/120 |
| MBA 48 cr |  |  |  |  |  |  | 12/12 | 12/24 | 10/34 | 14/48 |
| Shared 12 cr |  |  |  |  |  |  | 3/3 | 3/6 | 0/6 | 6/12 |
| **156 Total Cr** | **16/16** | **15/31** | **16/47** | **14/61** | **16/77** | **15/92** | **19/111** | **15/126** | **16/142** | **14/156** |

\* TSM 376 - even years, Fall only (Fall 2018, Fall 2020, etc.)

\* TSM 477 - even years, Fall only (Fall 2018, Fall 2020, etc.)

\*\* TSM 372 - odd years, Fall only (Fall 2017, Fall 2019, etc.)

\*\*\*TSM 470 - even years, Spring only (Spring 2018, Spring 2020, etc.)

\*\*\*TSM 471 - even years, Spring only (Spring 2018, Spring 2020, etc.)

Twelve elective credits are applied to the I TEC (Occupational Safety Option) and the MBA include MGMT 502 (3 cr), SCM 501 (3 cr), TSM 416 (3 cr), and an approved elective (3 cr).