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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Arkansas State University - Jonesboro** | | | | | | | | |
| **Degree: Bachelor of Science** | | | | | | | | |
| **Major: Technology Emphasis: Manufacturing Industrial** | | | | | | | | |
| **2014-15** | | | | | | | | |
| Students requiring developmental course work based on low entrance exam scores (ACT, SAT, ASSET, COMPASS) may not be able to complete this program of study in eight (8) semesters. Developmental courses do not count toward total degree hours. **Students having completed college level courses prior to enrollment will be assisted by their advisor in making appropriate substitutions. In most cases, general education courses may be interchanged between semesters.** A minimum of 45 hours of upper division credit (3000-4000 level) is required for this degree. Mandatory state and institutional assessment exams will be required during your degree program. ***Failure to participate in required assessments may delay graduation.*** | | | | | | | | |
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|
| **Year 1** | | | |  | **Year 1** | | | |
| **Fall Semester** | | | |  | **Spring Semester** | | | |
| **Course No.** | **Course Name** | **Hrs** | **Gen Ed** |  | **Course No.** | **Course Name** | **Hrs** | **Gen Ed** |
| **ENG 1003** | Composition I | **3** | X |  | **ENG 1013** | Composition II | **3** | X |
| **SCOM 1203** | Oral Communication | **3** | X |  | **ECON 2313** | Principles of Macroeconomics | **3** | X |
| **MATH 1023** | College of Algebra | **3** | X |  | **PHY 2054** | General Physics I | **4** | X |
| **ANTH 2233 or HIST 1013/1023 or GEOG 2613** | Intro to Cultural Anthropology **or** World Civilization to/since 1660 **or** Intro to Geography | **3** | X |  | **ENG 2003 or ENG 2013 or PHIL 1103** | Intro to Lit I **or** Intro to Lit II **or** Intro to Philosophy | **3** | X |
| **Elective** | General / career elective 1 | **3** |  |  | **Art 2503 or Mus 2503 or Thea 2503** | Fine Arts Visual or Musical or Theatre | **3** | X |
| **Total Hours** |  | **15** |  |  | **Total Hours** |  | **16** |  |
| **Year 2** | | | |  | **Year 2** | | | |
| **Fall Semester** | | | |  | **Spring Semester** | | | |
| **Course No.** | **Course Name** | **Hrs** | **Gen Ed** |  | **Course No.** | **Course Name** | **Hrs** | **Gen Ed** |
| **BIOL 1001** | Laboratory for Biological Science | **1** | X |  | **TECH 4843** | Labor relations | 3 |  |
| **BIOL 1003** | Biological Science | **3** | X |  | **TECH 3843** | Manuf Materials and Processes | **3** |  |
| **HIST 2763/2773 or POSC 2103** | US History to **or** since 1876 **or**  Intro to US Government | **3** | X |  | **ENG 3043** | Technical Writing | **3** |  |
| **TECH 2863** | Principles of Technology | **3** |  |  | **TECH ELECTIVE** | TECH JR/SR ELECTIVE 3 | 3 |  |
| **TECH ELECTIVE** | TECH JR/SR ELECTIVE 1 | **3** |  |  | **TECH ELECTIVE** | TECH JR/SR ELECTIVE 4 | **3** |  |
| **TECH ELECTIVE** | TECH JR/SR ELECTIVE 2 | 3 |  |  |  |  |  |  |
| **Total Hours** |  | **16** |  |  | **Total Hours** |  | **15** |  |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Year 3** | | | |  | **Year 3** | | | |
| **Fall Semester** | | | |  | **Spring Semester** | | | |
| **Course No.** | **Course Name** | **Hrs** | **Gen Ed** |  | **Course No.** | **Course Name** | **Hrs** | **Gen Ed** |
| **TECH 3773** | Statistics | **3** |  |  | **TECH 4823** | Quality Assurance | **3** |  |
| **TECH 4813** | Operations Systems Research | **3** |  |  | **TECH 4883** | Work Center Management | **3** |  |
| **TECH 3823** | Mechanics I | **3** |  |  | **CIT 3013** | Management Information Systems | **3** |  |
| **Elective** | General / career elective 2 | **3** |  |  | **TECH 4873** | Motion and Time Study | **3** |  |
| **Elective** | General / career elective 3 | **3** |  |  | **TECH 3813** | Programmable Logic Control | **3** |  |
| **Total Hours** |  | **15** |  |  | **Total Hours** |  | **15** |  |
| **Year 4** | | | |  | **Year 4** | | | |
| **Fall Semester** | | | |  | **Spring Semester** | | | |
| **Course No.** | **Course Name** | **Hrs** | **Gen Ed** |  | **Course No.** | **Course Name** | **Hrs** | **Gen Ed** |
| **RET 3113** | Fundamentals and Applications of Renewable Energy | **3** |  |  | **MGMT 3123** | Organizational Behavior | **3** |  |
| **TECH 3863** | Industrial Safety | **3** |  |  | **TECH 4853** | Lean 6 Sigma for Manufacturing | **3** |  |
| **TECH 3833** | Mechanics II | **3** |  |  | **TECH 3803** | Electrical Systems | **3** |  |
| **TECH 3873** | Tool Design OR TECH 3883, Machine Design | 3 |  |  | **Elective** | General / career elective 5 | **4** |  |
| **Elective** | General / career elective 4 | **3** |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
| **Total Hours** |  | **15** |  |  | **Total Hours** |  | **13** |  |
|  |  |  |  |  |  |  |  |  |
| **Total Jr/Sr Hours after 1st 30** | | **45** |  |  | **Total Degree Hours** | | **120** |  |
|  |  |  |  |  |  |  |  |  |
| **Graduation Requirements:** | | | | | | | |  |
| Completion of HIST 2763 or HIST 2773 or POSC 2103 | | | | | | | |  |
| English Proficiency (Grade of C or better in ENG 1003 and ENG 1013) | | | | | | | |  |
| Grade C or better in all Technology Core courses | | | | | | | |  |
| 2.00 GPA at ASU | | | | | | | |  |
| 2.00 GPA Overall | | | | | | | |  |
| Maximum of 31 credit hours via correspondence, extension, examination, PLA, Military or similar means; CLEP (30 hrs max) | | | | | | | | |
| 45 JR/SR Hours ***after completing 30 hours*** | | | | | | | |  |
| 124 Total Credit Hours | | | | | | | |  |
| 18 of last 24 hours must be ASU-Jonesboro courses | | | | | | | |  |
| Minimum of 57 hours from 4-year institutions | | | | | | | |  |
| 32 Resident Hours if completing second degree and first degree was not from ASU-J | | | | | | | |  |