



**ARKANSAS STATE  
UNIVERSITY**

**Eight-Semester Degree Plan  
Bachelor of Science  
Major in Technology  
Emphasis in Computer Aided Drafting and Design  
2017-2018**

| 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      |
| COMS 1203  | Oral Communication  | 3   | X      | MATH 1033  | Plane Trigonometry  | 3   |        |
| MATH 1023  | College Algebra   | 3   | X      | ENG 2003/2013<br>or PHIL 1103                                      | World Literature to/ since 1660 or Intro to Philosophy  | 3   | x      |
| HIST 1013/1023; SOC 2213; PSY 2013; POSC 1003; GEO 2613; CMAC 1003 | Choose 1: World Civilizations to/ since 1660; Intro to Sociology; Intro to Psychology; Intro to Politics; Intro to Geography; Intro to Mass Communication | 3   | x      | HIST 1013/1023; SOC 2213; PSY 2013; POSC 1003; GEO 2613; CMAC 1003 | Choose 1: World Civilizations to/ since 1660; Intro to Sociology; Intro to Psychology; Intro to Politics; Intro to Geography; Intro to Mass Communication | 3   | x      |
| AGRI 1213  | Making Connections  | 3   |        | ART/MUS/ THEA 2503   | Fine Arts: Visual/ Music/ Theater Choose 1  | 3   | x      |
| <b>Total Hours:</b>  |   | 15  |        | <b>Total Hours:</b>  |   | 15  |        |
| Year 2   |   |     |        |  |   |     |        |
| Fall Semester  |   |     |        | Spring Semester  |   |     |        |
| Course No.   | Course Name   | Hrs | Gen Ed | Course No.   | Course Name   | Hrs | Gen Ed |
| TECH 2703  | Technical Graphics and AutoCAD  | 3   |        | BIOL 1003/101  | Biological Science with Lab   | 4   | x      |
| Gen Ed. Physical Science   | See General Education List on page 84 of the 2017-18 Bulletin   | 4   | x      | Free Elective  | Free elective,, consult with Advisor  | 3   |        |
| TECH 2863  | Principles of Technology  | 3   |        | ENG 3043   | Technical Writing   | 3   |        |
| HIST 2763/2773 or POSC 2103  | US History to/since 1876 or Intro to US Government  | 3   |        | TECH 3453  | ADV. Technology Design-Solid Works  | 3   |        |
| Free Elective  | Free Elective, consult with Advisor   | 3   |        | TECH 3843  | Manufacturing Materials and Processes   | 3   |        |
| <b>Total Hours:</b>  |   | 16  |        | <b>Total Hours:</b>  |   | 16  |        |
| Year 3   |   |     |        |  |   |     |        |
| Fall Semester  |   |     |        | Spring Semester  |   |     |        |
| Course No.   | Course Name   | Hrs | Gen Ed | Course No.   | Course Name   | Hrs | Gen Ed |
| TECH 3773; STAT 3233; AGRI 3233                                    | Statistics; Applied Statistics I; or Applied Ag Statistics  | 3   |        | TECH 4823  | Quality Assurance   | 3   |        |
| TECH 4813  | Operations Systems Research   | 3   |        | TECH 4853  | Lean 6 Sigma for Manufacturing  | 3   |        |
| TECH 3853  | Computer Aided Manufacturing(CAM)   | 3   |        | CIT 3013   | Management Information Systems  | 3   |        |
| TECH 3413  | Auto CAD/ Inventor  | 3   |        | TECH 4883  | Work Center Management  | 3   |        |
| TECH 4743  | Computer numeric Control  | 3   |        | Free Elective  | Free elective consult with advisor  | 3   |        |
| <b>Total Hours:</b>  |   | 15  |        | <b>Total Hours:</b>  |   | 15  |        |

| Year 4                          |  |     |        |   |                                     |     |        |
|---------------------------------|--|-----|--------|---|-------------------------------------|-----|--------|
| Fall Semester                   |  |     |        | Spring Semester                           |                                     |     |        |
| Course No.                      | Course Name                            | Hrs | Gen Ed | Course No.                                | Course Name                         | Hrs | Gen Ed |
| RET 3113                        | Fund. Applications of Renewable Energy | 3   |        | MGMT 3123 or SOC elective or PSY Elective | Organizational Behavior or          | 3   |        |
| TECH 3863                       | Industrial Safety                      | 3   |        | Free Elective                             | Free elective consult with advisor  | 3   |        |
| Free Elective                   | Free elective, consult with Advisor    | 3   |        | TECH 4873                                 | Motion and Time Study               | 3   |        |
| TECH 3873                       | Tool Design                            | 3   |        | Free elective                             | Free elective, consult with advisor | 4   |        |
| TECH 3433                       | AutoCAD 3-D Modeling                   | 3   |        |   |                                     |     |        |
|                                 |  |     |        |   |                                     |     |        |
| <b>Total Hours:</b>             |  | 15  |        | <b>Total Hours:</b>                       |                                     | 13  |        |
| <b>Total Upper-Level Hours:</b> |  |     |        | <b>Total Degree Hours:</b>                |                                     | 120 |        |

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-level 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.**

**Additional Graduation Requirements:**