

# AAS Industrial Technology to BS Industrial Technology\*

w/Minor in Business Administration  
Recommended 4-Year Course Sequence  
2025-2026 Catalog



| FRESHMAN YEAR                                                               |                  |                                        |       |           |           |                                      |       |
|-----------------------------------------------------------------------------|------------------|----------------------------------------|-------|-----------|-----------|--------------------------------------|-------|
| Fall                                                                        |                  |                                        |       | Spring    |           |                                      |       |
| NTCC                                                                        | UT Tyler         | Title                                  | Hours | NTCC      | UT Tyler  | Title                                | Hours |
| ENGL 1301                                                                   | ENGL 1301        | Composition I                          | 3     | ENGL 2311 | ENGL 2311 | Technical and Business Writing       | 3     |
| MATH 1342                                                                   | MATH 13042       | Elementary Statistical Methods         | 3     | SPCH 1315 | CMST 1315 | Public Speaking                      | 3     |
| HIST 1301                                                                   | HIST 1301        | United States History I                | 3     | ELPT 2319 | TECH 2319 | Programmable Logic Controllers I     | 3     |
| INMT 1305                                                                   | TECH 1320        | Introduction to Industrial Maintenance | 3     | HYDR 1345 | TECH 2311 | Hydraulics and Pneumatics            | 3     |
|                                                                             |                  |                                        |       | ELPT 1341 | TECH TRAN | Motor Control                        | 3     |
|                                                                             |                  |                                        |       |           |           |                                      |       |
|                                                                             |                  |                                        | 12    |           |           |                                      | 15    |
| SOPHOMORE YEAR                                                              |                  |                                        |       |           |           |                                      |       |
| Fall                                                                        |                  |                                        |       | Spring    |           |                                      |       |
| NTCC                                                                        | UT Tyler         | Title                                  | Hours | NTCC      | UT Tyler  | Title                                | Hours |
| PSYC 2301                                                                   | PSYC 1301        | General Psychology (or Social Science) | 3     | BCIS 1305 | COSC 1307 | Business Computer Applications       | 3     |
| MATH 1324                                                                   | MATH 1324        | Finite Mathematics                     | 3     | PHIL 2306 | PHIL 2306 | Introduction to Ethics               | 3     |
| ELPT 1311                                                                   | TECH TRAN        | Basic Electrical Theory                | 3     | CBFM 2317 | TECH TRAN | Mechanical Maintenance               | 3     |
| DFTG 1309 OR                                                                |                  | Basic Computer-Aided Drafting or       |       |           |           |                                      |       |
| DTFG 1325                                                                   | TECH 1303        | Blueprint Reading and Sketching        | 3     | INMT 2301 | TECH TRAN | Machinery Installation               | 3     |
|                                                                             | TECH 3311        | Manufacturing Processes                | 3     |           | TECH 3333 | Polymer Processing                   | 3     |
|                                                                             |                  |                                        |       |           |           |                                      |       |
|                                                                             |                  |                                        | 15    |           |           |                                      | 15    |
| JUNIOR YEAR                                                                 |                  |                                        |       |           |           |                                      |       |
| Fall                                                                        |                  |                                        |       | Spring    |           |                                      |       |
| NTCC                                                                        | UT Tyler         | Title                                  | Hours | NTCC      | UT Tyler  | Title                                | Hours |
|                                                                             |                  | Creative Arts Core*                    | 3     | GOVT 2305 | POLS 2305 | Introductory American Government*    | 3     |
| GOVT 2306                                                                   | POLS 2306        | Introductory Texas Politics*           | 3     |           |           | CHEM or PHYS Core Class              | 3     |
| HIST 1302                                                                   | HIST 1302        | United States History II*              | 3     |           | TECH 3312 | Facilities Layout and Maintenance    | 3     |
|                                                                             | TECH 3317        | Industrial Robotics                    | 3     |           | ACCT 3300 | ACCT and FINA for Small Bus and Entp | 3     |
|                                                                             |                  |                                        |       |           |           |                                      |       |
|                                                                             |                  |                                        |       |           |           |                                      |       |
|                                                                             |                  |                                        | 12    |           |           |                                      | 12    |
| SUMMER                                                                      |                  |                                        |       |           |           |                                      |       |
| Summer                                                                      |                  |                                        |       |           |           |                                      |       |
| NTCC                                                                        | UT Tyler         | Title                                  | Hours | NTCC      | UT Tyler  | Title                                | Hours |
|                                                                             | TECH 4343        | Advanced Manufacturing                 | 3     |           |           |                                      |       |
|                                                                             | TECH 3320        | Lean Six Sigma Green Belt              | 3     |           |           |                                      |       |
|                                                                             | MANA 3305        | Operations Management                  | 3     |           |           |                                      |       |
|                                                                             | General Elective |                                        | 3     |           |           |                                      |       |
|                                                                             |                  |                                        |       |           |           |                                      | 12    |
| SENIOR YEAR                                                                 |                  |                                        |       |           |           |                                      |       |
| Fall                                                                        |                  |                                        |       | Spring    |           |                                      |       |
| NTCC                                                                        | UT Tyler         | Title                                  | Hours | NTCC      | UT Tyler  | Title                                | Hours |
|                                                                             | TECH 2301        | OSHA for General Industry              | 3     |           | TECH 4372 | Capstone Experience                  | 3     |
|                                                                             | TECH 4323        | Lean Production                        | 3     |           | TECH 4317 | Computer Integrated Manufacturing    | 3     |
|                                                                             | TECH 3331        | Project Management                     | 3     |           |           | UD Soules Elective                   | 3     |
|                                                                             | TECH 3355        | Supply Chain Management                | 3     |           | MARK 3311 | Principles of Marketing              | 3     |
|                                                                             | FINA 3315        | Personal Finance                       | 3     |           |           |                                      |       |
|                                                                             |                  |                                        |       |           |           |                                      |       |
|                                                                             |                  |                                        | 15    |           |           |                                      | 12    |
| Total Credit Hours at NTCC                                                  |                  |                                        |       |           |           |                                      | 57    |
| Total Credit Hours at UT Tyler                                              |                  |                                        |       |           |           |                                      | 63    |
| Total Credit Hours                                                          |                  |                                        |       |           |           |                                      | 120   |
| *Courses highlighted in yellow are available for co-enrollment at UT Tyler. |                  |                                        |       |           |           |                                      |       |

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