



AAS – Nondestructive Testing Technology to  
**Bachelor of Applied Arts and Sciences**  
**Manufacturing and Industrial Management**  
**Industrial Management Concentration**  
**Guided Pathway**  
 Effective for the 2018-2019 Catalog



### First Year – Del Mar College

FIRST SEMESTER	SECOND SEMESTER
METL 1301 Introduction to Metallurgy	NDTE 2571 Advanced Liquid Penetrate / Magnetic Part
NDTE 1471 Intro to NDT / Codes and Standards	NDTE 1405 Introduction to Ultra Sonic Testing
NDTE 1310 Liq Penetrate / Magnetic Testing	<sup>C</sup> ENGL 1301 Composition I
NDTE 2311 Preparation for Welding Inspection	

Total Semester Hours: 13

Total Semester Hours: 12

### Second Year – Del Mar College

It is best to apply to Tarleton State University a full semester before you plan to transfer.

FIRST SEMESTER	SECOND SEMESTER
NDTE 1340 Eddy Current Testing	NDTE 2572 Advanced Eddy Current Testing
NDTE 2401 Advanced Ultra Sonics	NDTE 2473 Advanced Radiography
<sup>C</sup> GEOL 1301 Earth Science	<sup>C</sup> SPCH 1311 Introduction to Speech Communications
NDTE 1371 Intro to Radiation Safety	

Total Semester Hours: 13

Total Semester Hours: 12

THIRD SEMESTER
<sup>C</sup> HIST 1301 United States History*
<sup>C</sup> DRAM 1310 Introduction to Theatre*
NDTE 2474 Industrial Radiography Testing Level II

Total Semester Hours: 10

### AAS: Nondestructive Testing Technology

You will need to apply for the associate's degree at your community college. Contact your advisor there for more information.

### Third Year – Tarleton State University

FIRST SEMESTER	SECOND SEMESTER
ENGT 3318 Research & Reporting for Technologists	ENGT 4336 Production Planning
ENGT 3375 Continuous Improvement	ENGT 3395 Project Management
ENGT 3386 Quality Management	MATH 1316 Plane Trigonometry <b>OR</b> MATH 1342 Elementary Statistics
<sup>C</sup> *Life and Physical Science Core Elective	ENGT 4346 Manufacturing Management
<sup>C</sup> *Math Core Elective	<sup>C</sup> *Life and Physical Science Core Elective
SUMMER	
<sup>C</sup> ENGL 1302 Composition II	<sup>C</sup> *Language, Philosophy & Culture Core Elective

### Fourth Year - Tarleton State University

FIRST SEMESTER	SECOND SEMESTER
ENGT 4347 Metrics and Measurement (Fall Only)	Advanced Elective Course
Advanced ENGT Course	Advanced Elective Course
Advanced Elective Course	<sup>C</sup> HIST 1302 United States History II
Advanced Elective Course	Advanced ENGT Course
<sup>C</sup> Social & Behavioral Science Core Elective	<sup>C</sup> GOVT 2305 Federal Government
SUMMER	
<sup>C</sup> GOVT 2306 Texas Government	

**This is not an official degree plan. Check with an advisor; degree plans may change in later catalogs.**

Part-time students may also follow this sequence. Developmental coursework may be required.

\* You may take a different course to meet this requirement. A specific list is available from your advisor.

<sup>C</sup> This course counts for the Core Curriculum at any public college or university in Texas.

() Course numbers shown in parentheses are equivalent to these courses at Tarleton State University.

*For questions about the university portion of this pathway,  
 Contact the Department of Engineering Technology at 254-968-9014 or [engineering.technology@tarleton.edu](mailto:engineering.technology@tarleton.edu).*