

Texas State Technical College AAS – Laser Electro-Optics Technology, specialization in Nanotechnology
Excelsior College Bachelor of Professional Studies in Technology Management with Area of Focus in Electrical Technology
Transfer Guide

Texas State AAS – Nanotechnology Program

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| TECH 1100 Tech success | |
| ENG 1301 English Composition I | 3 |
| CTEX 10XX Tech Success Seminars (3) | 1 |
| IEIR 1302 Introduction to DC Circuits | 3 |
| LOTT 1241 Electro-Optics Components | 2 |
| NANO 1305 Nanotechnology | 3 |
| SMFT Vacuum Principles | 2 |
| TECM 1343 Technical Algebra & Trig. | 3 |
| IEIR 1304 Alternating Current Circuits for Industrial Apps | 3 |
| LOTT 1344 Fund of Lasers & Laser Safety | 3 |
| LOTT 1443 Geometrical Optics I | 4 |
| SMFT 2335 Vacuum Technology | 3 |
| CETT 1379 Solid State Components & Applications | 3 |
| LOTT 2572 CW & Pulsed Lasers | 5 |
| SMFT 2450 Vacuum Thin Films | 4 |
| CHEM 1305 Chemistry | 3 |
| CHEM 1105 Chemistry Lab | 1 |
| NANO 2305 Nano Characterization | 3 |
| NANO 2307 Nano Measurements | 3 |
| SMFT 2470 Semiconductor Manufacturing Technology | 4 |
| PHYS 1310 Elementary Physics | 3 |
| LOTT 2436 Wave Optics | 4 |
| NANO 2455 Nano Technology Systems | 4 |
| ACGM X3XX Gen Ed Humanities/Fine Arts Course | 3 |
| ACGM X3XX Gen Ed Social Science Course | 3 |
| Total Credits for AAS: | 72 |

Additional Coursework to take at Texas State Technical College:

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| ENGL 1302 English Composition II | 3 |
| SPCH 1311 Speech Communication | 3 |
| Social Sciences Electives | 6 |
| MATH 1314 College Algebra | 3 |
| MATH 1316 Plane Trigonometry | 3 |
| MATH 2313 Calculus I | 3 |
| PHYS 1401 College Physics I | 4 |
| Arts & Science Elective | 3 |
| CETT 1325 Digital Fundamentals | 3 |
| CETT 1345 Microprocessor | 3 |
| CETT 1357 Linear Integrated Circuits | 3 |
| ITSE 1302 Computer Programming | 3 |
| Total Additional Coursework from TSTC (Waco): | 40 |

Excelsior College Courses:

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| INL 102 Information Literacy | 1 |
| BUS 323 Business Ethics | 3 |
| TECH 202 Foundations of Technology Problem Solving II | 4 |
| TECH XXX Differential Equations | 3 |
| PHYS 203 Physics II | 3 |
| IT 390 Project Management | 3 |
| ELEC 310 Basic Nanofabrication Process | 3 |
| ELEC 410 Nanotechnology Process Equipment | 3 |
| ELEC 415 Introduction to Nanofabrication Manuf. Tech. | 3 |
| ELEC 420 Micro-Electro Mechanical Systems | 3 |
| ELEC 495 Integrated Tech. Assessment | 3 |
| Total credits from Excelsior College: | 32 |