# Academic Term 2019-2020
## Nanotechnology Systems
## School of Applied Sciences and Technology

## Level 1

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|---|---|---|---|---|---|---|
| Term 1 | PHYS1150<br>Physics for Nanotechnology | MATH1112<br>Technical Math and Calculus I | CHEM1130<br>Principles in Chemistry I | NANO1200<br>Vacuum Systems | NANO1100<br>Cleanroom Practices | NANO1101<br>Introduction to Nanotechnology |
| Term 2 | BIOL1260<br>Molecular Biology | MATH1212<br>Calculus II and Statistics<br>MATH1112 | CHEM1281<br>Principles in Chemistry II<br>PR: CHEM1130, MATH1112 | MCRO2300<br>Microfabrication<br>PR: NANO1100, NANO1200, CHEM1130 | MATE1285<br>Materials Science<br>PR: PHYS1150 | ELTR1110<br>Analog and Digital Fundamentals<br>PR: MATH1112 |

## Level 2

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| Term 1 | PMGT2375<br>Project and Quality Management<br>PR: NANO1101, MCRO2300<br>CR: LSSC2300 | LSSC2300<br>Lean Six Sigma<br>PR: MATH1212<br>CR: PMGT2375 | NANO2320<br>Synthesis and Applications of Nanomaterials<br>PR: NANO1101, CHEM1281 | NANO2400<br>Advanced Materials and Fabrication<br>PR: MCRO2300 | NANO2300<br>Nanocharacterization<br>PR: NANO1100, NANO1200 |
| Term 2 | NANO2480<br>Nano Project<br>PR: PMGT2375, LSSC2300, NANO2300 | NANO2461<br>Biological Applications in Nanotechnology<br>PR: BIOL1260, CHEM1130 | ELTR2265<br>Programming and Interfacing Devices<br>PR: MATH1212, ELTR1110 | CNTR2440<br>PLC Applications<br>PR: MATH1212 | ELTR2410<br>Product Manufacturing<br>PR: ELTR1110 | MCRO2400<br>Device Packaging and Testing<br>PR: ELTR1110, NANO2300 |

Note – All courses are 3.0 Credits

Legend:

PR = Pre-requisite course
CR = Co-requisite course