VIRGINIA TECH

Nanoscience Major Requirements

Freshman

Sophomore

Junior

Senior

NANO 1015
Intro to
Nanoscience

NANO 1016
Intro to
Nanoscience

NANO 2114
Research Seminar

BIOL 2124
Cell & Molecular
Biology

NANO 2024
Quantum Physics
Nanostructures

NANO 3114
Professional
Dissemination of Nano
Research

NANO 3124
Nanoscience and the
Environment

Note: NANO 3124 also
requires CHEM 1036.

NANO 4324
Intro to
Nanomedicine

CHEM 1035/1045
General Chemistry

CHEM 1036/1046
General Chemistry

CHEM 2535/2545
Organic Chemistry

CHEM 2536/2546
Organic Chemistry

NANO 3015
Nanoscale Synthesis,
Fabrication,
& Characterization I

NANO 3016
Nanoscale Synthesis,
Fabrication,
& Characterization II

NANO 4124
Advanced
Nanomaterials
& Devices

PHYS 2305
Foundations of
Physics

PHYS 2306
Foundations of
Physics

MATH 1225
Calculus of a
Single Variable I

MATH 1226
Calculus of a
Single Variable II

MATH 1114
Elementary
Linear Algebra

MATH 2214
Intro to
Differential Equations

+ 4 Credits of NANO 4994
Undergraduate Research

+ 4 Credits of NANO 4994
Undergraduate Research

Please note that this is a general guideline. Please see your advisor for additional assistance in planning your schedule.

Edited 2/11/2021