Minor in Nanoscale Materials

The Minor in Nanoscale Materials (MNM) requires completion of 15 credits with a minimum grade of C-. MSEG 302 is a required course and the remainder may be drawn from a wide variety of courses in Materials Science and Engineering, Electrical Engineering, Biology, etc. Courses from 300 level and up to the 600 level qualify. Courses used to fulfill the requirement for minor in Nanoscale Materials can not simultaneously be used to fulfill the requirement for minor in Materials Science. Commonly offered courses that are acceptable for the Minor in Nanomaterials Science and Engineering are listed below. This is not an exhaustive list and other courses may be approved as appropriate after discussion. A maximum of 3 credits of undergraduate research or independent study may be counted.
For further information contact:
Prof. Ismat Shah at 302-831-1618 Ismat@udel.edu

MSEG 366/466 Independent Study: Approval by the MNM coordinator required.
MSEG 446 Senior Research: Approval by the MNM coordinator required.
MSEG 603 Analytical Techniques in Materials Science
MSEG/PHYS 667 Thin Film and Nanomaterials Processes
MSEG 667/ELEG 421/621 Solid State Nanotechnology
CHEG/MSEG 616 Physics and Chemistry of Surfaces and Interfaces
CHEG 608 Particle Design and Processing
CHEG 617 Colloid Science and Engineering
CHEG 366 Independent Study. Approval by the MNM coordinator required.
ELEG 467/667 Biomedical Nanotechnology
ELEG 422/622 Electronic Materials Processing
ELEG 446/446 Nanoelectronic Device Principles
ELEG 449/649 Nanotechnology & Applications
PHYS 610 Quantum Physics
PHYS: 467/667 Nanomagnetics
CHEM 671 Atomistic Simulations
BISC 466 Independent Study. Approval by the MNM coordinator required.
MEEG 466 Independent Study. Approval by the MNM coordinator required.
Additional appropriate courses will be approved by the faculty