Tuskegee University
College of Engineering
Master of Science (MS) in Materials Science and Engineering

Contact Information:

MSEG 0518: Materials Science and Engineering – 3 Credits
MSEG 0521: Polymer Science and Engineering – 3 credits
Math 0561: Advanced Calculus – 3 credits

Elective Courses (12 credits): Determined by Student's Major Professor

undergraduate physics and chemistry courses are extended

	Finite difference and relaxation method. Tensor application. ***Prerequisites: MENG 0416 and MATH 0461. Graduate Standing.***

MSEG 0624   **POLYMER CHEMISTRY**

	and fabrication technology, heterojunction bipolar transistors, advanced/MOS devices the BICMOS process.
MSEG 0663	**SPECIAL FUNCTIONS.** CR. 3. Infinite series of functions, improper integrals. Gamma function, beta function, digamma and polygamma functions. Error function and related functions. Elliptic integrals. Legendre polynomials, Legendre series and theory conveyance. Hermite polynomials, Laguerre polynomials, Bessel functions of the first kind. Integrals of Bessel function. Orthogonality of Bessel functions and recurrence formulas.
MSEG 0690	**SPECIAL TOPICS**. Cr. 3. Advanced topics in materials science and engineering **(prerequisite: Graduate standing and approval of major professor and instructor).**
MSEG 0701	**CONTINUOUS REGISTRATION**. Cr. 0.
MSEG 0702	**CANDIDATE FOR DEGREE.** Cr. 0.

List key **Graduate Faculty**			
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