



WAKE FOREST
UNIVERSITY

GRADUATE SCHOOL of
ARTS & SCIENCES

**Translational Biotechnology
MS Curriculum Requirements
(40 credits)**

Year One (Business Pathway)		
Fall (7 hours coursework; 1-9 hours capstone)	Spring (7 hours coursework; 1-9 hours capstone)	Summer (1 hour coursework; 1-9 hours externship/capstone)
Required Courses TBIO 711 (3) Fundamentals of Innovation Management TBIO 731 (1) FDA Case Studies TBIO 781 (1-3) Capstone Project 1 Choose One TBIO 701 (3) Regenerative Medicine for Non-Scientists TBIO 742 (3) Special Topics - Introduction to Regenerative Medicine BMES 631 (3) Introduction to Regenerative Medicine Recommended Courses GRAD 715 (1) Career Planning in the Biomedical Sciences	Required Courses TBIO 702 (3) Introduction to Translational Medicine TBIO 722 (1) Ethics and Policy of Regenerative Technologies TBIO 782 (1-3) Capstone Project 2 Elective (3) Recommended Courses GRAD 714 (2) Scientific Integrity and Professionalism GRAD 716 (1) Seminars in Professional Development Submit Capstone Project Plan	Required Courses MMTS 721 (1) Regenerative Medicine Immersion: Fundamental Principles and Clinical Applications TBIO 783 (1-9) Capstone Project 3 TBIO 794 (1-9) Externship
Year Two		
Fall (7 hours coursework; 1-9 hours capstone)	Spring (7 hours coursework; 1-9 hours capstone)	Summer (If not completed in Summer Year 1)
Required Courses TBIO 704 (1) Introduction to cGMP Regulations CRM 701 (3) Research Design and Methods in Clinical Research TBIO 784 (1-3) Capstone Project 4 Elective (3)	Required Courses CRM 712 (3) Medicines Development, Regulation, Industry TBIO 785 (1-3) Capstone Project 5 Elective (3) Choose One TBIO 732 (1) Biotechnology Seminar IPP 786 (1) Regenerative Medicine Journal Club Capstone Presentation	MMTS 721 (2) Regenerative Medicine Immersion: Fundamental Principles and Clinical Applications <i>(If not taken the previous summer)</i>

<i>*Electives</i> TBIO 711 (3) Fundamentals of Business Innovation BMES 631 (3) Introduction to Regenerative Medicine BMSC 721 (3) Foundations of Clinical Pharmacology CRM 702 (3) Data Analysis & Interpretation CRM 703 (1) Leadership & Professionalism I CRM 704 (1) Leadership & Professionalism II CRM 722 (2) Clinical Studies Development CRM 751 (2) Conflict Resolution & Negotiations CRM 752 (2) Design Thinking CRM 761 (2) Project Management CRM 763 (2) Technical Writing GRAD 709 (1) Scientific Outreach IPP 741 (3) Quantitative Methods Bioscience MCB 701 (6) Molecular & Cellular Biosciences THSS 730 (4) Introduction to Biostatistics THSS 731 (2) Introduction to Biomedical Informatics THSS 735 (0.5) Building Successful Teams <i>*Or other courses with program director approval</i>		
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