

University of North Texas
Master of Science in Biomedical Engineering
Degree Plan: Non-Thesis – 33 hours

Student Name:	UNT ID:	Signature:
Local Telephone:	Email:	Date:

Major Professor:	Signature/Date:	
Graduate Program Coordinator:	Signature/Date:	
Department Chair: Vijay Vaidyanathan	Signature/Date:	

Other Requirements	Expect to Complete Semester/Yr.	Notes
English Proficiency		
Leveling Course(s)		

- Course offerings vary from year to year and are based on enrollment and resources. The Graduate Program Committee Representative and the student are advised to tailor the degree plan based on course availability.
- Courses registered without Advisor’s approval or any unapproved deviations from the degree plan may result in no credit toward degree requirements. **Student initials:** _____
- The responsibility for adhering to Graduate School, College and Departmental requirements rests entirely with the student. Application for graduation must be filed in the Graduate School Office before the deadline in force during the final semester. Consult the Toulouse Graduate School and the Graduate Catalog for further information <http://tsgs.unt.edu>

Block A - BMEN Core Courses - 6 Semester Credit Hours	Semester expected to Complete	Grade	sch
• BMEN 5210 – Biomedical Engineering Laboratory			2
• BMEN 5315 – Computational Methods in Biomedical Engineering			3
• BMEN 5940 – Biomedical Engineering Seminar			1
Block B - BMEN Courses - 18 Semester Credit Hours	Semester expected to Complete	Grade	sch
BMEN 5005 – Neuroengineering			
BMEN 5007 – Research Methods in Biomedical Engineering			
BMEN 5280 – AI for Wearables and Healthcare			
BMEN 5310 – Clinical Instrumentation			
BMEN 5311 – Rehabilitation Engineering			
BMEN 5312 – Advanced Signal Processing in Biomedical Engineering			
BMEN 5313 – Bioengineering of Cellular Systems			
BMEN 5314 – Advanced Tissue Engineering and Regenerative medicine			
BMEN 5316 – Biopolymers and Flexible Bio-electronics			
BMEN 5317 – Advanced Biotechnology			
BMEN 5318 – Biomedical Implants			
BMEN 5319 – Cardiovascular Fluid Dynamics			
BMEN 5320 – Advanced Biomechanics			
BMEN 5321 – Biomaterials Compatibility			
BMEN 5322 – Medical Imaging			
BMEN 5323 – Advanced Biomedical Optics			
BMEN 5324 – Biomedical MEMS			
BMEN 5325 – Bio-nanotechnology			
BMEN 5326 – Biomolecular Engineering			
BMEN 5700 – Statistical Genetics			
BMEN 5800 – Topics in Biomedical Engineering			
BMEN 5810 – Topics in Biomedical Engineering			
BMEN 5890 – Directed Study in Biomedical Engineering			
BMEN 5900 – Special Problems in Biomedical Engineering			
BMEN 5910 – Special Problems in Biomedical Engineering			
BMEN 5920 – Cooperative Education in Biomedical Engineering			
Block C – Electives - 9 Semester Credit Hours	Semester expected to Complete	Grade	sch
5000 or 6000 level courses from any of BMEN, EENG, MEEN, MTSE, CSCE, or BIOL			
5000 level or above MGMT/LSCM/MKTG courses from the College of Business			
5000 level or above HHSV courses from the College of Health and Public Service			
5000 level or above MUPH courses in Performance Arts Health from the College of Music			
6000 level or above ASLP courses in Audiology from the College of Health and Public Service			
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Total Semester Credit Hours (sch) Complete: