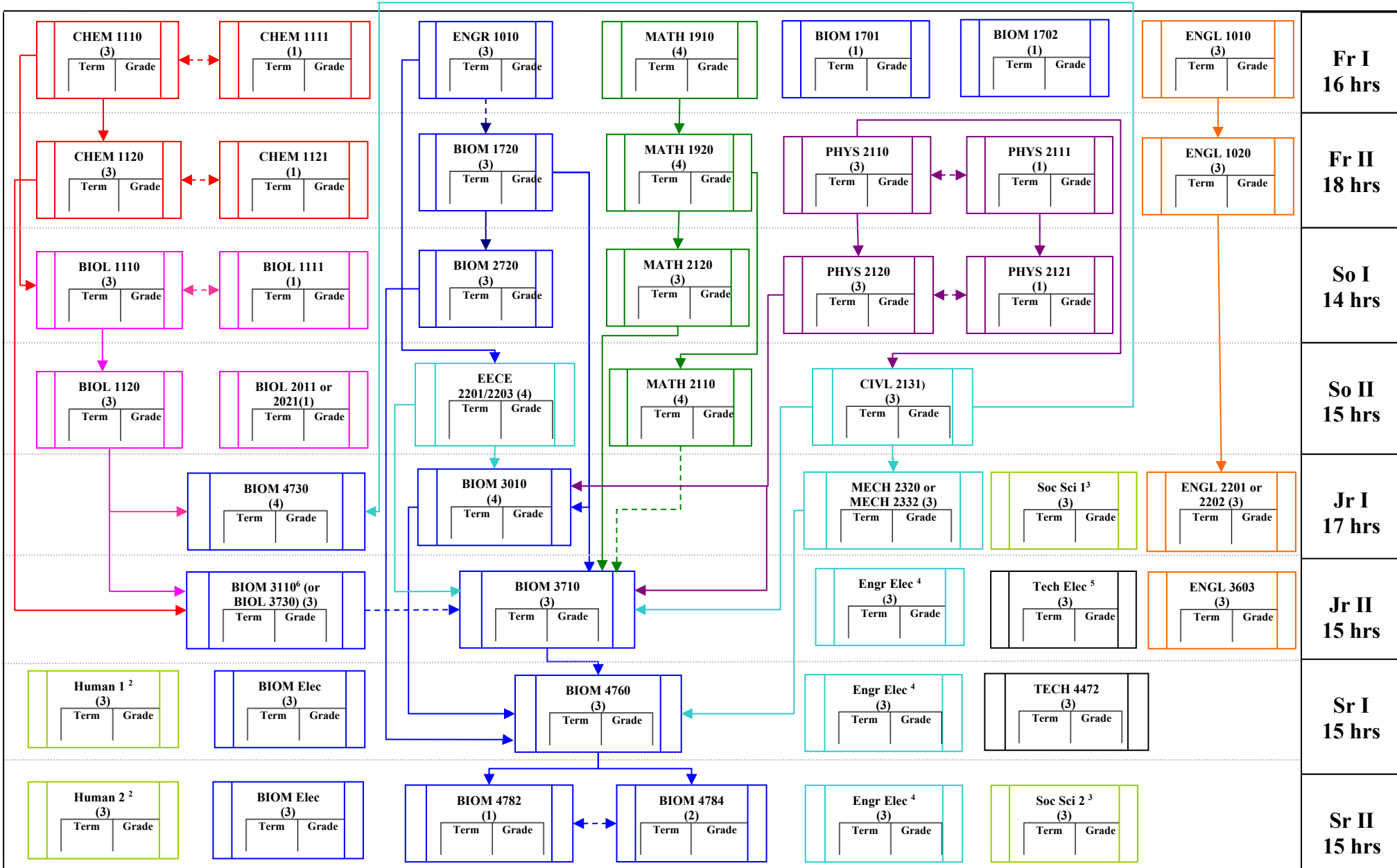


B.S BIOMEDICAL ENGINEERING DEGREE PROGRAM: GENERAL (Begin Fall 2025)

Name: _____ UID: _____ Advisor: _____ Date of beginning program: _____



1. "C-" or better in all engineering, math, physics, chemistry, and biology courses used toward graduation.
2. 6 hours of Humanities from approved list. https://catalog.memphis.edu/preview_program.php?catoid=26&poid=10212
3. 6 hours of Social Science from approved list. https://catalog.memphis.edu/preview_program.php?catoid=26&poid=10212
4. Must be an upper division (3XXX/4XXX) Engineering course. TECH 4472 may also be applied as an Engineering Elective.
5. May be an upper division (3XXX/4XXX) Engineering, Science, Math or Technology course. (note TECH 4472 CAD is Fall & Summer terms only)
6. BIOM 3110 is Spring term only and BIOL 3730 is Fall term only
7. *Additional hours may be required for pre-med and pre-orthotics & prosthetic programs

Total hours = 125*

Concentrations:

Bioelectrical Devices and Systems Concentration:

BIOM Elec 1	BIOM Elec 2	Engr Elec 1	Engr Elec 2	Engr Elec 3	Tech Elec
BIOM 4720 (4)	BIOM 3XXX,4XXX	Choose 2 From: EECE 3203, 3240, 3201, 3211, or 3213 *		Engr 3XXX, 4XXX	BIOL 3130 or 4635 or MATH 4391*

*Choose 2 from list: EECE 3203, 3240, 3201, 3211, or 3213 or BIOL 3130 or 4635 or MATH 4391

Medical Material And Manufacturing Concentration:

BIOM Elec 1	BIOM Elec 2	Engr Elec 1	Engr Elec 2	Engr Elec 3	Tech Elec
BIOM 4340 (4)	BIOM 4916 (3)	Pick One: BIOM 4702, 4806, 4150, or 4750	Engr 3XXX, 4XXX	Engr 3XXX, 4XXX	Engr, Tech, Sci, or Math 3XXX,4XXX Course

Medical Imaging Concentration:

BIOM Elec 1	BIOM Elec 2	Engr Elec 1	Engr Elec 2	Engr Elec 3	Tech Elec
BIOM 4801 (4)	BIOM 3XXX,4XXX	EECE 3203	Pick one: BIOM 4140, EECE 4232, 4242, or 4243	Engr 3XXX, 4XXX	Engr, Tech, Sci, or Math 3XXX,4XXX Course

Certificate:

Certificate in Regulatory Affairs for Medical Devices:

BIOM Elec 1	BIOM Elec 2	Engr Elec 1	Engr Elec 2	Engr Elec 3	Tech Elec
BIOM 4340 (3)	BIOM 4806 (3)	Engr 3XXX, 4XXX	Engr 3XXX, 4XXX	Engr 3XXX, 4XXX	TECH 4462

Focus Areas:

Pre-Medical Studies:

BIOM Elec 1	BIOM Elec 2	Engr Elec 1	Engr Elec 2	Engr Elec 3	Tech Elec	Soc/Behav Sci 1 & 2	Humanities 1 & 2
BIOM 4110	BIOM 3XXX, 4XXX	Engr 3XXX, 4XXX	Engr 3XXX, 4XXX	Engr 3XXX, 4XXX	CHEM 3311/3301	PSYC 1030 and SOCI 1030	THEA 1030, COMM 1851, ART 1030 or MUS 1030

*Other recommended courses include: BIOL 3072/3073, 3610, 3620, 3130, 4380, 3500, 4445, 4100, 4511, or CHEM 4511

Pre Orthotics & Prosthetics:

Physiology	BIOM Elec 1	BIOM Elec 2	Engr Elec 1	Engr Elec 2	Engr Elec 3	Tech Elec	Soc/Behav Sci 1 or 2
BIOM 3110	BIOM 4110	BIOM 4900	Engr 3XXX, 4XXX	Engr 3XXX, 4XXX	Engr 3XXX, 4XXX	Engr, Tech, Sci, or Math 3XXX,4XXX Course	PSYC 1030

*Should also consider taking these courses: BIOL 2010, 2020/2021, EDPR 2111, and PSYC 3102