

Generic Template Plan-of-Study - BS in BMES (2024)

Term	Course	Class # / Term								Total/Term		
		C1	C2	C3	C4	C5	C6	C7	C8	#cls	CrHr	
1	ID	BMES 101	MATH 121	ENGL 101	CHEM 101	BMES 124	CIVC 101	UNIV R101				
1	Title	BME Fr Dsgn 1	Calc 1	English 1	Chem 1	BME Fr Smnr	Civc Engage	Drexel Exp				
1	CrHr	2.0	4.0	3.0	3.5	2.0	1.0	1.0				
2	ID	BMES 102	MATH 122	ENGL 102	CHEM 102	PHYS 101						
2	Title	BME Fr Dsgn 2	Calc 2	English 2	Chem 2	Physics 1						
2	CrHr	2.0	4.0	3.0	4.5	4.0						
3	ID	BMES 201	MATH 200	ENGL 103	BIO 122	PHYS 102	COOP 101					
3	Title	BME Prog 1	MltVar Calc	English 3	Cell & Gene	Physics 2	COOP prep					
3	CrHr	3.0	4.0	3.0	4.5	4.0	1.0					
4	ID	BMES 202	MATH 201	MEM 202	ECE 201	MATE 220						
4	Title	BME Prog 2	Lnr Alg	Statics	Circuits	Fund Mate						
4	CrHr	3.0	4.0	3.0	4.0	4.0						
5	ID	BMES 241	MATH 210	MEM 238	BIO 218	BMES 338						
5	Title	BME M&D 1	Diff Eq	Dynamics	Mlc Bio	BME Ethics						
5	CrHr	2.0	4.0	4.0	4.0	3.0						
6	ID	BMES 375	CHEM 253	BMES 432	BMES 345	BIO 201						
6	Title	BME Prog 3	Chem Thermo	BME Signals	BME Tiss Mech	Hmn Phys						
6	CrHr	4.0	4.0	3.0	3.0	4.0						
7	ID	BMES 341	BMES 451	BMES 303	BMES 310	BIO E2.2						
7	Title	BME M&D 2	BME Transport	BME Circuit Lab	BME Stats	BioSci E2						
7	CrHr	2.0	4.0	2.0	4.0	3.0						
8	ID	BMES 381	BMES 315	GS Elec.1	GS Elec.2							
8	Title	BME Jr Dsgn 1	BME Exp Dsgn	GenStu E1	GenStu E2							
8	CrHr	2.0	4.0	3.0	3.0							
9	ID	BMES 382	CNC Req.1	BMES 337	BMES 302	BMES 444	BIO E2.1					
9	Title	BME Jr Dsgn 2	BME CNC R1	BME Controls	BME Signals Lab	BME Fluid Mech	BioSci E1					
9	CrHr	2.0	3.0	3.0	2.0	3.0	3.0					
10	ID	BMES 491	CNC Req.2	STEM Elec.1	Lab Elec.1	GS Elec.3						
10	Title	BME Sr Dsgn 1	BME CNC R2	BME STEM E1*	Lab E1	GenStu E3						
10	CrHr	3.0	3.0	3.0	2.0	3.0						
11	ID	BMES 492	CNC Req.3	STEM Elec.2	Lab Elec.2	GS Elec.4						
11	Title	BME Sr Dsgn 2	BME CNC R3	BME STEM E2*	Lab E2	GenStu E4						
11	CrHr	2.0	3.0	3.0	2.0	3.0						
12	ID	BMES 493	STEM Elec.3	STEM Elec.4	GS Elec.5							
12	Title	BME Sr Dsgn 3	BME STEM E3*	BME STEM E4*	GenStu E5							
12	CrHr	3.0	3.0	3.0	3.0							

Concentration Requirements						Lab Elec
BioMat	BioMec	BmImg	BmInf	NeuEng	TisEng	
CHEM 241	MEM 201	PHYS 201	BIO 219	BIO 462	BIO 219	BMES 301
BMES 460	BMES 441	BMES 421	BMES 483	BMES 477	BMES 471	BMES 304
BMES 461	BMES 442	BMES 422	BMES 484	BMES 478	BMES 472	BMES 305

Program Total	
# CIs	CrHr
62	188.5

*indicates that the STEM requirement is based on the total of STEM + CNC cr hrs = 21 cr hrs, NOT the number of STEM courses

Not all concentration courses follow this 'generic' plan. When selecting your concentration, consult with your advisor to determine the specific terms your concentration courses are offered.

\$\$ no term can have less than 12 cr hrs counting toward your BS degree without affecting financial aid

BMES 301
 BMES 304
 BMES 305
 BIO 202
 BIO 215
 BIO 219
 CHEM 244
 CHEM 245
 BIO 306
 BMES 485