

1 VII. Final Proposed Checklist of BS MatE Curriculum

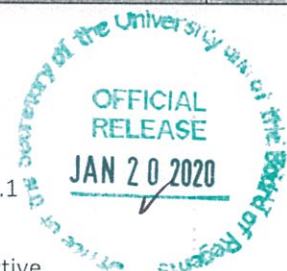
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BACHELOR OF SCIENCE IN MATERIALS ENGINEERING
Department of Mining, Metallurgical and Materials Engineering

Date of effectivity:

2nd Semester of AY 2018-2019

FIRST YEAR					
1 st Semester			20	units	
GE 1 (Kas 1)		3			
GE 2 Philo 1		3			
Physics 71		4			
Physics 71.1		1			
MATH 21*		4			
Chem 16		3			
Chem 16.1		2			
PE		(2)			
2 nd Semester			20	units	
Math 22		4			
Chem 31		3			
Chem 31.1		2			
Physics 72		4			
Physics 72.1		1			
MatE 15		3			
MatE 21		3			
PE		(2)			
SECOND YEAR					
1 st Semester			20	units	
Chem 26		3			
Chem 26.1		2			
ES 101		4			
MMME 21		3			
MatE 22		4			
MatE 101		4			
NSTP		(3)			
2 nd Semester			20	units	
GE 3 Socio 10		3			
ES 1		2			
Math 23		4			
MatE 23		3			
MatE 103		4			
MatE 105		4			
NSTP		(3)			
THIRD YEAR					
1 st Semester			18	units	
GE 4 Fil 40		3			
GE 5 Eng 13/Speech 30		3			
MMME 14		4			
MatE 165		3			
MatE 165.1		2			
ES 102		3			
PE		(2)			
2 nd Semester			19	units	
EEE 1		4			
ES 26		3			
MatE 107		3			
MatE 175		3			
MatE 175.1		2			
MatE 190		1			
MatE Elective		3			
PE		(2)			
Midyear			6	units	
MatE 191		6			



FOURTH YEAR					
1 st Semester		20	units	2 nd Semester	
				17	units
GE 6 STS 1/DRMAPS		3		GE 8 Soc Sci 1/Soc Sci 2	3
GE 7 Arts 1		3		GE 9 GE Elective	3
MatE 171		3		MatE 173	3
MatE 180		4		MatE 200	2
MatE 194		5		MatE Elective	3
MatE 200		2		PI 100	3
				TOTAL	160 units

NOTES:

*All students required to take Math 21 must have passed any of the following: (1) Pre-calculus from the STEM or equivalent strand of K-12; (2) The Validation Examination for Math 20 (Pre-calculus: Functions and Their Graphs) administered by the UPD Institute of Mathematics; or (3) Math 20 as a non-credit course.

As a requirement for graduation, all students must take six (6) units in one of the National Service Training Program (NSTP) components: Civic Welfare Training Service (CWTS), Literacy Training Service (LTS), and Reserved Officers' Training Corps Military Science (ROTC Mil Sci). These are offered by UPD.

VIII. List of Elective Courses

The following will be credited as elective courses:

1. MatE 100 Metallic Materials (3u, 3h lec)
2. MatE 131 Polymeric Materials (3u, 3h lec)
3. MatE 141 Ceramic Materials (3u, 3h lec)
4. MatE 151 Composite Materials (3u, 3h lec)
5. MatE 161 Fundamentals of Nanotechnology (3u, 3h lec)
6. MatE 181* Biomaterials (3u, 3h lec)
7. MatE 183* Construction Materials (3u, 3h lec)
8. MatE 184* Materials for Energy (3u, 3h lec)
9. MatE 185* Materials for Electronic Devices (3u, 3h lec)
10. MatE 186 Materials Modeling (3u, 3h lec)
11. MatE 197* Special Topics (3u, 3h lec)

*Existing MatE Elective

