

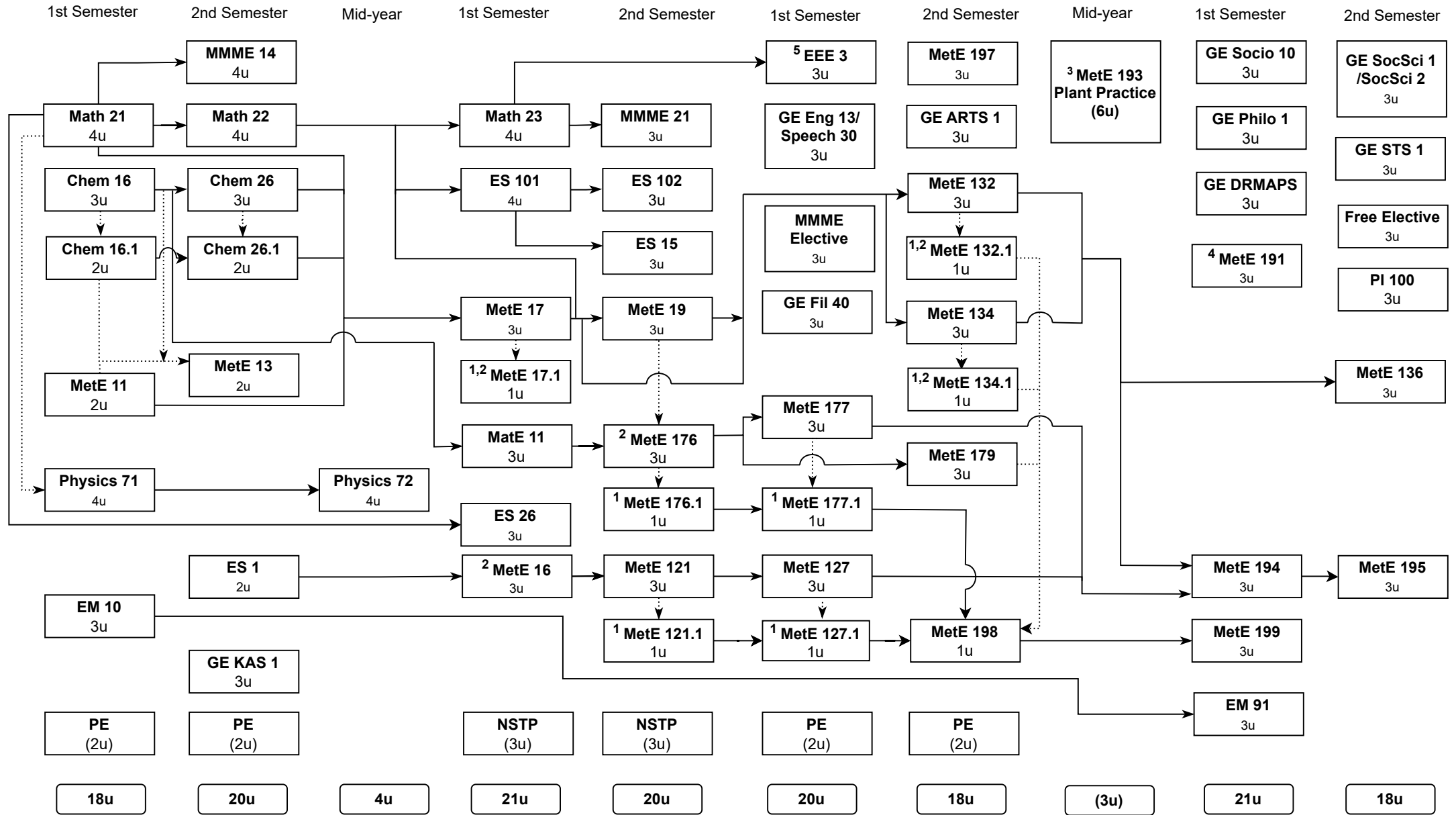
BACHELOR OF SCIENCE IN METALLURGICAL ENGINEERING (BS MetE)

FIRST YEAR

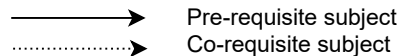
SECOND YEAR

THIRD YEAR

FOURTH YEAR



- 1 MMME 14 is a prerequisite
- 2 MetE 13 is a prerequisite
- 3 MetE 127.1, MetE 132.1, MetE 134.1 and MetE 177.1 are prerequisites
- 4 Students must have taken 123 units
- 5 Physics 72 is a prerequisite



Refer to BS MetE Program Checklist for other remarks

Midyear	4 units
Physics 72	4

SECOND YEAR

1st Semester	21 units
MatE 11	3
MetE 16	3
MetE 17	3
MetE 17.1	1
Math 23	4
ES 101	4
ES 26	3
NSTP	(3)

2nd Semester	20 units
MetE 19	3
MetE 176	3
MetE 176.1	1
MetE 121	3
MetE 121.1	1
MMME 21	3
ES 102	3
ES 15	3
NSTP	(3)

1

THIRD YEAR

1st Semester	20 units
GE 2 Fil 40	3
GE 3 Eng 13/Speech 30	3
MetE 177	3
MetE 177.1	1
MetE 127	3
MetE 127.1	1
MMME Elective**	3
EEE 3	3
PE	(2)

2nd Semester	18 units
GE 4 ARTS 1	3
MetE 132	3
MetE 132.1	1
MetE 179	3
MetE 198	1
MetE 134	3
MetE 134.1	1
MetE 197	3
PE	(2)

Midyear	6 units
MetE 193	6

FOURTH YEAR

1st Semester	21
GE 5 Socio 10	3
GE 6 Philo 1	3
GE 7 DRMAPS	3
MetE 191	3
MetE 194	3

2nd Semester	18 units
GE 8 Soc Sci 1/ Soc Sci 2	3
GE 9 STS 1	3
MetE 136	3
MetE 195	3
PI 100	3

MetE 199	3
EM 91	3

Free Elective	3
---------------	---

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21

Notes:

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

** List of MMME Electives:

- a. MatE 141 Ceramic Materials (3u, 3h lec)
- b. MatE 151 Composite Materials (3u, 3h lec)
- c. MatE 161 Fundamentals of Nanotechnology (3u, 3h lec)
- d. MatE 181 Biomaterials (3u, 3h lec)
- e. MatE 183 Construction Materials (3u, 3h lec)
- f. MatE 184 Materials for Energy (3u, 3h lec)
- g. MatE 185 Materials for Electronic Devices (3u, 3h lec)
- h. MatE 186 Materials Modeling (3u, 3h lec)

The list may be updated based on the recommendation of the MetE program.

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.

Annex A. Curriculum Map (attached as separate document)

