

NEW MEXICO INSTITUTE OF MINING AND TECHNOLOGY
BACHELOR OF SCIENCE- Materials Engineering with Biomaterials Option
2020 Update

Degree Progress Check Sheet for (student name): _____

<u>Fall Course</u>	<u>Credits</u>	<u>Completed</u>	<u>Spring Course</u>	<u>Credits</u>	<u>Completed</u>
<u>Semester One</u>			<u>Semester Two</u>		
MTLS 1010L	1	_____	ENGL 1120	3	_____
ENGL 1110	3	_____	MATH 1520, Calc 2	4	_____
MATH 1510, Calc I	4	_____	CHEM 1225 & L, Chem 2	4	_____
CHEM 1215 & L, Chem I	4	_____	Humanities	3	_____
Social Science	3	_____	ES 111, Computer	3	_____
ES 110	2	_____			
<u>Semester Three</u>			<u>Semester Four</u>		
MTLS 2020 & L, Materials I	4	_____	MATH 335 ODE's	3	_____
MATH 2532, Calc 3	4	_____	PHYS 1320 & L, Physics 2	5	_____
PHYS 1310 & L, Physics I	5	_____	MTLS 2350 & L, Materials 2	4	_____
BIOL 2110 & L, Gen Bio	4	_____	Humanities	3	_____
			ES 201, Statics	3	_____
<u>Semester Five</u>			<u>Semester Six</u>		
MTLS 3010, Ceramics	3	_____	ENGL 341, Tech Writing	3	_____
BIOL 331, Cell Biology	3	_____	MTLS 3140, Transport	3	_____
MTLS 3500, Thermo	3	_____	MTLS 3270, Phys Met	3	_____
ES 302, Mechanics	3	_____	ES 332 or EE 211	3	_____
MTLS 3100 or 3110 or 4100	3	_____	MTLS 3510, Polymers	3	_____
<u>Semester Seven</u>			<u>Semester Eight</u>		
Technical Elective*	3	_____	BIOL 333 & L	3	_____
Fine Arts	3	_____	Technical Elective*	3	_____
Humanities or Social Sci	3	_____	Humanities or Social Sci.	3	_____
MTLS 4810 Sen Design1	3	_____	MTLS 4820, Sen Design 2	3	_____
MTLS 3100 or 3110 or 4100	3	_____	Program-Specific Elective	3	_____

Minimum credit hours required—130

In addition to the General Education Core Curriculum), the following courses are required:

- Math 2532 (4), 335 (3)
- ES 110(2), 111 (3), 201 (3), 302 (3), 332 (3) or EE 211 (3)
- MTLS 1010C (1), 2020, 2020L (4), 2350 & 2350L (4), 3010 (3), 3140, 3270 (3), 3500 (3), 3510 (3), 4810 (3), 4820 (3)
- Two of the following: MTLS 3100C (3), 3110 (3), 4100C (3)
- BIOL 2110, 2110L (4), BIOL 331 (3), BIOL 333, 333L (4), Program- Specific Elective (3)

*Technical electives (6): Suggested electives include BIOL 341 (3), 351 (3); ChE 473 (3); CHEM 333, 333L (4), 334, 334L (4) MTLS 4450 (3), 4700 (3); MATH 2350 (3), 382 (3); MENG 460 (3), 465 (3) 489 (3), 576 (3). Alternative of additional technical Electives must be approved by Student, the Advisor, and the Department Chair.

