

NEW MEXICO INSTITUTE OF MINING AND TECHNOLOGY
BACHELOR OF SCIENCE- Materials Engineering w/ Metallurgical 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 1	5	_____	MTLS 2350 & L, Materials 2	4	_____
Humanities	3	_____	Social Science	3	_____
			ES 201 Statics	3	_____
<u>Semester Five</u>			<u>Semester Six</u>		
MTLS 3010 or 3510 or 4450***	3	_____	ENGL 341, Tech Writing	3	_____
MTLS 3500, Thermo	3	_____	MTLS 3010 or 3510 or 4450***	3	_____
MTLS 3100, Processing	3	_____	MTLS 3110, Thermal Mech	3	_____
Fine Arts	3	_____	MTLS 3140, Transport	3	_____
ES 302 Mechanical Solids	3	_____	MTLS 3270, Phys Met	3	_____
			ES 332 or EE 211	3	_____
<u>Semester Seven</u>			<u>Semester Eight</u>		
Technical Elective*	3	_____	Technical Elective*	3	_____
Technical Elective*	3	_____	Technical Elective*	3	_____
MTLS 4100, Characterization	3	_____	Advanced Basic Science**	3	_____
MTLS 4810, Senior Design 1	3	_____	MTLS 4820, Senior Design 2	3	_____
Humanities or Social Science	3	_____	MTLS 4350, Mech Behavior	3	_____

Minimum credit hours required—131

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, (3), 3270 (3) 3500 (3), 4100C (3), 4350 (3), 4810 (3). 4820 (3)

***Two of the following: MTLS 3010 (ceramic) (3), 3510 (polymer) (3), or MTLS 4450 (composite) (3)

**Advanced basic science (3): MTLS 4520 is recommended. Adviser approval needed.

*Technical electives (12): Approved upper level MTLS course. Up to 3 credit hours can be completed outside the department.
 Contact adviser on recommended technical electives.