

## Manufacturing Engineering

<u>Number</u>	<u>Course Name</u>	<u>Credits Required</u>
ISE 7883	Seminar (1)	5 (3 credits post M.S.)
ISE 5501	Fundamentals of solid state processing	3
ISE 5502/MSE 5451	Molten metal processing	3

### Choose one of the following:

ISE 5540	Polymer processing fundamentals	3
WE 5027	Introduction to additive manufacturing	3
ISE 5555	Machining processes & equipment	3
ISE 5193/7193	Independent study on processing	3

### Choose two of the following:

ISE 5193	Data analytics in mfg	3
ISE 5110	Design of eng. experiments	3
ISE 5193	Industrial process control & instrumentation	3
ME 5139	Applied finite element methods	3
ISE 5193/7193	Independent study on fundamentals	3

### Minors

1. 6 credits either within or outside ISE	6
2. 6 credits in a concentrated area outside ISE	6

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Total Defined Courses	32
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Independently developed program	48
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Total Specified Credits	80
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