

School of Engineering and Technology

Student ID:

Student Name:

Program Entry Date:

Degree/Program Plan: B.S. Motorsports Engineering
 Program/Plan Code: ENGR1 / MSTRSENGRBS
 Requirement Term: 8/15/2013 [4138]

1st Semester

Course#	Units	Title	
ENG-W 131	3	Elementary Composition	
MATH 16500	4	Calculus I	
ENGR 19500	1	Learning Community	
CHEM C 105	3	Chemistry I	
MSTE 27200	3	Intro to Motorsports	
COMM-R 110	3	Fund of Speech	

Credit Hours 17

2nd Semester

Course#	Units	Title	
MATH 16600	4	Calculus II	
PHYS 15200	4	General Physics I	
MSTE 29800	2	Computer Modeling & Programming	
MATH 17100	3	Multidimensional Mathematics	
MSTE 31200	4	Business of Motorsports	
MSTE 29700	1	Modeling for Motorsports	

Credit Hours 18

3rd Semester

Course#	Units	Title	
MATH 26100	4	Multivariate Calculus	
PHYS 25100	5	General Physics II	
MSTE 35000	3	Computer Aided Design and Mfg.	
MSTE 21000	4	Statics and Dynamics	
MSTE 21700	1	Motorsports Practicum I	

Credit Hours 17

4th Semester

Course#	Units	Title	
ECE 20400	4	Electrical and Electronics Circuits	
ME 27200	3	Strength of Materials	
MSTE 32000	3	Motorsports Design I	
ME 20000	3	Thermodynamics	
MET 33800	4	Manufacturing Processes	

Credit Hours 17

5th Semester

Course#	Units	Title	
MSTE 47200	3	Vehicle Dynamics	
MSTE 33000	3	Data Acquisition in Motorsports I	
ME 31000	4	Fluid Mechanics	
MATH 26600	3	Ordinary Diff. Equations	
MSTE 31700	1	Motorsports Practicum II	
Gen Ed Elect	3	See approved Cultural Understanding list	

Credit Hours 17

6th Semester

Course#	Units	Title	
MSTE 33100	3	Data Acquisition in Motorsports II	
MSTE 34000	3	Dynamic Systems and Signals	
IET 15000	3	Statistics	
ME 34400	3	Materials	
TCM 36000	2	Communications/Writing	
MSTE I41000	1	Motorsports Internship	

Credit Hours 15

7th Semester

Course#	Units	Title	
MSTE 48200	3	Motorsports Aerodynamics	
ME 48200	3	Control Systems Analysis and Des.	
MSTE 41700	1	Motorsports Practicum III	
Gen Ed Elect	3	See approved Arts & Humanities list	
Tech Elective	3	See approved course list	

Credit Hours 13

8th Semester

Course#	Units	Title	
MSTE 41400	3	Motorsports Design II	
MSTE 42600	3	Internal Combustion Engines	
Tech Elective	2	See approved course list	
Gen Ed Elect	3	See approved Social Sciences list	
PHIL P120	3	Ethics	

Credit Hours 14

Total Hours 128

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Core Requirements - MSTE Specialty

Course#	Units	Term	Grade	Pre-requisites	Comments
ECE 20400	4			P: PHYS 25100 and P: MATH 26100	
ENGR 19500	1				
ME 20000	3			P: PHYS 15200 and P or C: MATH 26100	
ME 27200	3			P: ME 27000 or MSTE 21000	
ME 31000	4			P:ME 20000&27400 or MSTE 21000 & MATH 26600	
ME 34400	3			P: CHEM 10500 and Jr Standing	
ME 48200	3			P: ME 34000 or MSTE 34000	
MET 33800	4			P: MATH 15400 & TECH 104 (or MSTE 29700)	
MSTE 21000	4			P: MATH 16600 and PHYS 15200	
MSTE 21700	1				
MSTE 27200	3				
MSTE 29700	1				
MSTE 29800	2				
MSTE 31200	4			P: MSTE 27200 and ENG-W 131	
MSTE 31700	1			P: MSTE 21700	
MSTE 32000	3			P: MSTE 35000	
MSTE 33000	3			P: ECE 20400	
MSTE 33100	3			P: MSTE 33000 and MSTE 47200	
MSTE 34000	3			P: MSTE 21000 and MATH 26600	
MSTE 35000	3			P: MSTE 29700 C: MSTE 21000	
MSTE 41400	3			P: MSTE 31200 and MSTE 32000	
MSTE 41700	1			P: MSTE 31700	
MSTE 42600	3			P: ME 20000	
MSTE 47200	3			P: MSTE 21000 or ME 27400	
MSTE 48200	3			P: MSTE 35000 and ME 31000	
MSTE I41000	1				

total: 70

Technical Electives Requirements

Course#	Units	Term	Grade	Pre-requisites	Comments
Tech Elective	3				
Tech Elective	2				
ME 31400, 41400, 497, 54600, 55000, 56300; ECE 20200, 27000, 36200, 48300, ECET 35700, ECET 37100, ME 32700, ME 54200, ME 54600, ME 55100, ME 55200, ME 50400, ME 50900, ME 56900, ME 55800, ME 61400, ECE 20100, ECE 25500, ECE 26300, ECE 30200, ECE 46100, ECE 32700, ECE 40800, ECE 42700, ECE 47100, ECE 49600, TECH 58200, MSTE 41800, 29900, 49900					

total: 5

Math and Science Requirements

Course#	Units	Term	Grade	Pre-requisites	Comments
MATH 16500	4			P: MATH 15400 or 15900 or Placement	
CHEM C 105	3				
MATH 16600	4			P: MATH 16500	
PHYS 15200	4			P or C: MATH 16600	
MATH 17100	3			P: MATH 15400 or 15900 or Placement	
MATH 26100	4			P: MATH 16600 and MATH 17100	
PHYS 25100	5			P: PHYS 15200 & MATH 165,166,171 & P or C: MATH 26100	
MATH 26600	3			P: MATH 16600 and MATH 17100 C: MATH 26100	
IET 15000	3			P: MATH 15900 or Placement	

total: 33

General Education Requirements - Communications, Humanites, Social Science

Course#	Units	Term	Grade	Pre-requisites	Comments
ENG-W131	3			P: Placement	
COMM R 110	3			P: Placement	
TCM 36000	2			P: ENG-W 131 and COMM R110	
Gen Ed Elec	3			See approved Social Sciences list	
Gen Ed Elec	3			See approved Cultural Understanding list	
Gen Ed Elec	3			See approved Arts & Humanities list	
PHIL P120	3				
Cultural Understanding List: AFRO: A140, A150, A152; ANTH: A103, A104; ASL A131; CLAS L131; EALC: C117, J131; EDUC E201; FREN: F117,F131; GER: G117, G131; HER H221; INTL I100; ITAL M117; MUS M394; NELC A131; PSY B203; SPAN: S117, S131; SWK S102					
Arts & Humanities list: ART 2100; COMM T130; ENG: L105, L115; HER: E101, E105, E109, E201, E209, E214, H100, H101, H102, H210, H221; MUS: E241, M174, Z201; PHIL P110; PHST P105; REL R133, R212					
Social Sciences list: BUS: F260, F151, F152, F251, W200, X100; COMM: C180, M150; ECE 37200; ECON: E101, E201, E202, P251; ENG Z104; FOLK F101; GEOG: G110, G130; HIST: H105, H106, H108, H109, H113, H114; INF I202; POLS: Y101, Y 103, Y217, Y219; PSY B110; SOC: R100, R121; SPEA: J101, V170, V221, V222; SWK: S221, S251; WOST W105					

total: 20

128 Total Credit Hours for BS Degree

Department of Engineering Technology: 274-2363
 Offices: ET 201