

## Typical Automotive Engineering Technology Program of Study (Starting in Math 115 Pre-Calculus)

<b>Freshman (Fall)</b>			<b>Freshman (Spring)</b>		
AET 102	Intro to Auto Eng Tech	(1)	AET 261	Auto Drivability & Diagnosis	(4)
AET 160	Auto Technology & Systems	(4)	CHEM 104	Introduction to Chemistry**	(3)
MATH 115	Pre-Calculus*	(4)	MATH 121	Calculus I**	(4)
ENG 101	Fdns Writing & Rhetoric**	(4)	EET 113	DC Circuits	(3)
MET 142	Intro to Parametric Modeling	(3)	COMM 100	Fund. Comm. ** or COMM 102**	(3)
		<b>16</b>			<b>17</b>
<b>Sophomore (Fall)</b>			<b>Sophomore (Spring)</b>		
MET 275	Manufacturing Processes I	(4)	STAT 154	Elementary Statistics	(4)
PHYS 211	Principles of Physics I**	(4)	ECON 202	Principles of Microeconomics**	(3)
MATH 122	Calculus II	(4)	PHYS 212	Principles of Physics II	(4)
AET 262	Auto Computers & Electronics	(4)	AET 280	Data Acquisition and Analysis	(3)
GEN ED	General Education*	(2)	ENG 271W	Technical Communication**	(4)
		<b>18</b>			<b>18</b>
<b>Junior (Fall)</b>			<b>Junior (Spring)</b>		
MET 425	Project and Value Management	(3)	AET 366	Auto Thermo Dynamics	(3)
MET 323	Statics	(3)	AET 387	Junior Design Project	(3)
MET 375	Manufacturing Processes II	(4)	MET 324	Strength of Mat'ls & Dynamics	(4)
MET 341	Advanced Parametric Modeling	(3)	AET 334	Fluid Power	(3)
AET 364	Chassis Dsgn & Perf. Testing	(4)	100-400	Elective***	(3)
		<b>17</b>			<b>16</b>
<b>Senior (Fall)</b>			<b>Senior (Spring)</b>		
AET 488W	Senior Design I	(3)	AET 489W	Senior Design II	(3)
AET 468	Auto Research Methods	(4)	AET 465	Automotive Lab	(2)
MET 424	Industrial Safety	(2)	AET 436	Hybrid and Electric Vehicles	(3)
GEN ED	General Education*	(5)	GEN ED	General Education*	(4)
		<b>14</b>			<b>12</b>

Credits from AET Core Courses	70
Credits required for AET Science, Math, Communications	40 (**29 credits apply to GEN ED)
* = 15 GEN ED Credits for 44 required GEN ED (29 +15)	15
*** = 3 Free Elective Credits	3
<b>Credits Required for AET BS Graduation</b>	<b>128</b>

### NOTES:

- Math readiness may change the plan above. MATH 098, MATH 112, MATH 113, or MATH 115 may be required based on test scores and/or high school preparation.
- This is only an example of one way to organize GEN ED and ELECTIVE course choices.
- See your Bulletin Year and Advisor for current requirements
- See AET Department for major course scheduling plans.
- Summer Course offerings may accelerate progress.
- All AET Major, and required Communications, Basic Science, and Mathematics course must be completed with a grade of "C" or better for the program.

### Preparation

**High School:** We recommended high school pre-calculus, physics, and chemistry course work.

**Transfer Students:** If you are planning to transfer to Minnesota State University, Mankato, contact the College of Science, Engineering, and Technology (CSET) Advising Staff, or the AET Department to develop a plan.