

GLOUCESTER COUNTY COLLEGE  
BUSINESS AND TECHNOLOGY DIVISION

GRADUATION CONTROL SHEET

**AUTOMOTIVE TECHNOLOGY**  
**Ford ASSET Program**  
**Associate in Applied Science (A.A.S.) - Career**

Ford ASSET, the Automotive Student Service Educational Training program, is a cooperative agreement between GCC, Ford Motor Company and the Gloucester County Institute of Technology. ASSET is a full-time, two-year curriculum composed of five 20-week semesters. Alternating 10-week sessions of classroom/laboratory instruction and internship at a local Ford or Lincoln/Mercury dealership provide theory and practice, and hands-on experience qualifies graduates for gainful employment as a service technician.

**FIRST YEAR - First Semester**

			<b><u>Credits</u></b>
_____	AUT 101	Auto Service Fundamentals	2
_____	AUT 107	Automotive Electrical Systems	5
_____	COM 101	English Composition I	3
_____	MAT 109	Technical Mathematics	3
_____	CEP*	Co-op Education Work Experience	1
			<b>14</b>

**Second Semester**

_____	AUT 105	Brakes & Hydraulics Controls	3
_____	AUT 103	Front End Suspension	3
_____	HPE 102	First Aid, Safety, and CPR	2
_____	PHY 110	Applied Physics	4
			<b>12</b>

**Third Semester**

_____	AUT 110	Engine Repair	4
_____	AUT 111	Heating, Ventilation, and Air Conditioning	3
_____	CIS 101	Computer Literacy	3
_____	AUT 135	Manual Transmissions	3
_____	CEP*	Co-op Education Work Experience	1
			<b>14</b>

**SECOND YEAR - Fourth Semester**

_____	AUT 121	Automatic Transmissions I	2
_____	AUT 131	Fuel & Emission Systems	3
_____	COM 102	English Composition II	3
_____	PSY 101	General Psychology	3
_____	CEP*	Co-op Education Work Experience	1
			<b>12</b>

**Fifth Semester**

_____	AUT 123	Automotive Electronics	4
_____	AUT 134	Automatic Transmissions II	3
_____	HIS 204	First 100 years of the American Automobile	3
_____	ART 101	Art Appreciation I	3
			<b>13</b>

**TOTAL MINIMUM CREDITS: 65**

\*10-week internship with a Ford/Lincoln-Mercury dealership is required as a prerequisite to the subsequent semester.

**AUTOMOTIVE TECHNOLOGY**  
**Ford ASSET Program**  
**Associate in Applied Science (A.A.S.) - Career**

**REQUIRED CORE AND ELECTIVE COURSES**

		<b><u>Credits</u></b>
<b><u>Communications</u></b>		
English Composition I	COM 101	3
English Composition II	COM 102	3
<b><u>Humanities</u></b>		
Art Appreciation I	ART 101	3
<b><u>Social Science</u></b>		
General Psychology	PSY 101	3
<b><u>History</u></b>		
First 100 Years of the American Automobile	HIS 204	3
<b><u>HPE</u></b>		
First Aid, Safety, and CPR	HPE 102	2
<b><u>Mathematics</u></b>		
Technical Mathematics	MAT 109	3
<b><u>Science</u></b>		
Applied Physics	PHY 110	4
<b><u>Business</u></b>		
Computer Literacy	CIS 101	3
<b><u>Cooperative Education</u></b>		
Co-op Education Work Experience	CEP	1
Co-op Education Work Experience	CEP	1
Co-op Education Work Experience	CEP	1
<b><u>Automotive</u></b>		
Auto Service Fundamentals	AUT 101	2
Front End Suspension Systems	AUT 103	3
Brakes and Hydraulic Controls	AUT 105	3
Automotive Electrical Systems	AUT 107	5
Engine Repair	AUT 110	4
Heating, Ventilation, and Air Conditioning	AUT 111	3
Automatic Transmissions I	AUT 121	2
Automotive Electronics	AUT 123	4
Fuel and Emission Systems	AUT 131	3
Automatic Transmissions II	AUT 134	3
Manual Transmissions	AUT 135	3

**TOTAL MINIMUM CREDITS: 65**