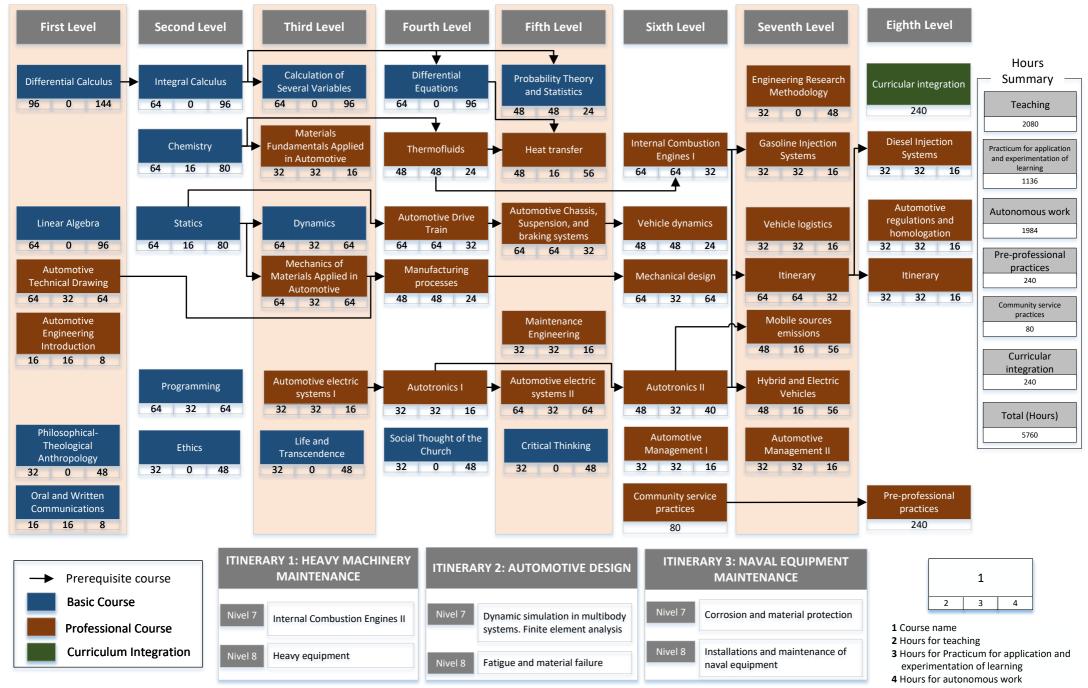


# Program: Automotive Engineering Technology

Mode: On Campus

Campus: Cuenca, Quito and Guayaquil





# CURRICULUM

Program: Automotive Engineering Technology

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sportsam     1     Methanics of Materials Applied in Automotive     CETAR-104-States     64     32     64     100     100       Basic Course     4     Grén-HAT 100     Social Thought of the Church     No percepuidies     32     0.0     45     0.0     60     0.0     96     96     96     96     96     96     96     96     96     96     96     96     96     96     96     96     96	Professional Course	3		Automotive electric systems I	No prerequisites	32	32	16				80
Solution     View     Solution     No percentisities     228     128     994     Model     770       Basic Course     4     G-CFM-TA108     Social Thought of the Church     No percentisities     32     0     48      68     80     64     0     96      60     80       Basic Course     4     C-CT-MAT-108     Manufacturing processes     CCT-MAT-101- Infigures of Materials 1     48     48     74      100       Professional Course     4     E-CT-MAT-102     Manufacturing processes     CCCMAT-103 - Infigures of Materials 1     48     48     74       120       Professional Course     4     E-CT-MAT-102     Automotive Diver Tain     CCCMAT-103 - Infigures of Materials 1     48     48     74       160     180     180       Professional Course     4     E-CT-MAT-102     No percentistes     32     20     48      160     180     120       Professional Course     5     C-T-MAT-104     Heat transfor     CCC+MAT-103-	Professional Course	3		Materials Fundamentals Applied in Automotive	C-CV-IAT-101- Chemistry	32	32	16				80
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Saik Course     4     G-RP-IAT-104     Social Thought of the Church     Not perequisites     32     0     48     (C)     100     100       Saik Course     4     C-SCH-1708     Offenential Equations     CCFL+17102-Integral Caluus     64     0     96     (C)     100     100       Professional Course     4     E-CT-IAT-102     Manufacturing processes     C-CT-IAT-102-Integral Caluus     64     64     43     (C)     (C)     1200       Professional Course     4     E-CT-IAT-102     Manorobite Professional Course     48     48     48     24     (C)     (C)     1200       Professional Course     4     E-CT-IAT-102     Autoronics I     C-CL-IAT-102-Integral Caluus     48     48     24     (C)     (C)     1200       Professional Course     5     G-TL-IAT-102     Autoronics I     C)     Professional Course     32     0     48     16     56     (C)     1200       Professional Course     5     E-CT-IAT-102     Autoronics I     Autoronics I     (C)     1200<						288	128	304				720
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Professional Course     4     E-CT-147-102     Automotive Prive Train     CCE-147-104-Statitis     64     64     92 <th< td=""><td>Profossional Course</td><td>4</td><td></td><td>Thormofluids</td><td></td><td>10</td><td>19</td><td>24</td><td></td><td></td><td></td><td>120</td></th<>	Profossional Course	4		Thormofluids		10	19	24				120
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Professional Course     5     Automotive electric systems II     Automotive I     64     32     64     160       Professional Course     5     E-CT-IAT-103     Automotive Chasis, suspension, and braking systems     E-CT-IAT-102-Automotive Drive Train     64     64     32     64     160       Professional Course     5     E-CT-IAT-103     Maitemace Engineering     No prerequisites     32     32     16     160     80       Professional Course     6     E-CT-IAT-105     Internal Combustion Engines I     Thermofluids     64     64     32     240     160     80       Professional Course     6     E-CT-IAT-105     Internal Combustion Engines I     Thermofluids     64     64     32     240     160     80       Professional Course     6     E-CT-IAT-105     Internal Combustion Engines I     Thermofluids     64     64     32     40     120       Professional Course     6     E-CT-IAT-105     Mechanical design     E-CT-IAT-101 - Manufacturing processes     64     32     64     32     64     32	Duefeesienel Course	-		Duck shility. The same and Statistics		40	40	24				120
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Professional Course7E-CT-IAT-110Hybrid and Electric VehiclesE-CT-IAT-108 - Autotronics E-CT-IAT-105 - Internal Combustion Engines I481656120Professional Course7E-CT-IAT-109Gasoline Injection SystemsE-CT-IAT-105 - Internal Combustion Engines I32321680Professional Course7E-CT-IAT-117Internal Combustion Engines II (Itinerary)E-CT-IAT-105 - Internal Combustion Engines I64643216080Professional Course7E-CT-IAT-114Mobile sources emissionsE-CT-IAT-109 - Gasoline Injection Systems481656120120Professional Course7E-CT-IAT-113Vehicle logisticsNo prerequisites32321680120		7				32	32	16				80
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Professional Course     7     E-CT-IAT-117     Internal Combustion Engines II (Itinerary)     E-CT-IAT-105 - Internal Combustion Engines I     64     64     32     160     160       Professional Course     7     E-CT-IAT-114     Mobile sources emissions     E-CT-IAT-109 - Gasoline Injection Systems     48     16     56     120     120       Professional Course     7     E-CT-IAT-113     Vehicle logistics     No prerequisites     32     32     16     80	Professional Course	7	E-CT-IAT-109	Gasoline Injection Systems		33	30	16				80
Professional Course     7     E-CT-IAT-114     Mobile sources emissions     E-CT-IAT-109 - Gasoline Injection Systems     48     16     56     10     120       Professional Course     7     E-CT-IAT-113     Vehicle logistics     No prerequisites     32     32     16     0     80												
Professional Course     7     E-CT-IAT-113     Vehicle logistics     No prerequisites     32     32     16     80				• • •								
	Professional Course	/	E-CI-IAI-113		ivo prerequisites							



## CURRICULUM

SALESI	ECUADOR			Program: Automotive Engineering Technology							
Unit	Level	CODE	Course Name	Prerequisites	Hours for teaching	Hours for Practicum for application and experimentation of learning	Hours for autonomous work	Pre professional practices	Community service practices	Curricular integration	Total Hours
Curriculum Integration	8	E-CT-IAT-123	Curricular integration	No prerequisites						240	240
Professional Course	8	E-CT-IAT-116	Pre-professional practices	E-CT-IAT-115- Community service practices				240			240
Professional Course	8		Diesel Injection Systems	Internal Combustion Engines II (Itinerary)	32	32	16				80
Professional Course	8		Heavy equipment (Itinerary)	Internal Combustion Engines II (Itinerary)	32	32	16				80
Professional Course	8	AUT 47	Automotive regulations and homologation	No prerequisites	32	32	16				80
			Subtotal:		96	96	48	240		240	720
					Hours for teaching	Hours for Practicum for application and experimentation of learning	Hours for autonomous work	Pre professional practices	Community service practices	Curricular integration	Total Hours
			Hours Summary		2080	1136	1984	240	80	240	5760

#### **ITINERARY 1: HEAVY MACHINERYMAINTENANCE**

	Unit	Level	Course Name	Total Hours
ĺ	Profesional	7	Internal Combustion Engines II	160
ſ	Profesional	8	Heavy equipment	80

### **ITINERARY 2: AUTOMOTIVE DESIGN**

Unit	Level	Course Name	Total Hours
Profesional	7	Dynamic simulation in multibody systems. Finite element analysis	160
Profesional	8	Fatigue and material failure	80

### **ITINERARY 3: NAVAL EQUIPMENT MAINTENANCE**

Unit	Level	Course Name	Total Hours
Profesional	7	Corrosion and material protection	160
Profesional	8	Installations and maintenance of naval equipment	80