



Tokat Gaziosmanpaşa University

Tokat Vocational School
Electronics Technology

İNG102	English II				
Semester	Code	Name	T+P	Credit	ECTS
2	İNG102	English II	2	2	2

Education Type	Language	Course Level	Course Internship Status	Type of Course
Formal Education	Turkish	Associate	No	Elective

Department/Program	Precondition	Course Coordinator	Instructor	Course Assistants
Electronics Technology		None	Instructor H.Tüzün Paçcı	None

The aim of lesson :

The objective of this course is to be able to bring the students to the A2 Level in terms of CEF.

Course Contents :

Compulsory Foreign Language Course (English)



Tokat Gaziosmanpaşa University

Tokat Vocational School
Electronics Technology

TD101	Turkish Language I				
Semester	Code	Name	T+P	Credit	ECTS
1	TD101	Turkish Language I	2	2	2

Education Type	Language	Course Level	Course Internship Status	Type of Course
Formal Education	Turkish	Associate	No	Required

Department/Program	Precondition	Course Coordinator	Instructor	Course Assistants
Electronics Technology		None	Asist Prof.Dr. YAVUZ GÜNEŞ	None

The aim of lesson :

To make studens become familiar with the correct, beautiful and efficient use of the Turkish language to maket hem base the written and spoken intercourse of the language on strong principals to maket hem gain their skills in correspondence, presentatations and ezplanations succesfully in their business life to make them become intellectual individuals who read, think, inquire and bring solutions.

Course Contents :

To improve students' love and understanding of mother tongue who are studying in various departments in accordance with the constantly progressing conditions of the age; to emphasize the connection between language and thought; to enlighten individuals who are scientifically productive, creative, able to use their mother tongue accurately and equipped with contemporary knowledge, in language and literature history.



Tokat Gaziosmanpaşa University

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Electronics Technology

TD102	Turkish Language II				
Semester	Code	Name	T+P	Credit	ECTS
2	TD102	Turkish Language II	2	2	2

Education Type	Language	Course Level	Course Internship Status	Type of Course
Formal Education	Turkish	Associate	No	Required

Department/Program	Precondition	Course Coordinator	Instructor	Course Assistants
Electronics Technology		None	Instructor Yalçın KULAÇ	None

The aim of lesson :

To make studens become familiar with the correct, beautiful and efficient use of the Tuekish language to maket hem base the written and spoken intercourse of the language on strong principals to maket hem gain their skills in correspondence, presentatations and ezplanations succesfully in their business life to make them become intellectual individuals who read, think, inquire and bring solutions.

Course Contents :

According to their subjects, reading, listening, writing, presentation, discussion, sampling, question and answer techniques will be used.



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Electronics Technology

EN-2046	ELECTRIC MOTORS AND DRIVES				
Semester	Code	Name	T+P	Credit	ECTS
4	EN-2046	ELECTRIC MOTORS AND DRIVES	4	4	4

Education Type	Language	Course Level	Course Internship Status	Type of Course
Formal Education	Turkish	Associate	No	Required

Department/Program	Precondition	Course Coordinator	Instructor	Course Assistants
Electronics Technology		None	Instructor Burak KARA	None

The aim of lesson :

In this course, all kinds of asynchronous and synchronous ends of the presence of electrical machines, commissioning and operation of binding to and is intended to gain qualifications.

Course Contents :

Lecture, Practice, Homework, Project



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Electronics Technology

EN-2047	MICROCONTROLLERS				
Semester	Code	Name	T+P	Credit	ECTS
3	EN-2047	MICROCONTROLLERS	4	4	5

Education Type	Language	Course Level	Course Internship Status	Type of Course
Formal Education	Turkish	Associate	No	Required

Department/Program	Precondition	Course Coordinator	Instructor	Course Assistants
Electronics Technology		None	Instructor Umut SARAY	None

The aim of lesson :

Explains microprocessor and microcontroller features, structure, operation

Course Contents :

Lecture, Question and Answer, and computer assisted instruction management and techniques will be used.



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Electronics Technology

EN-2048	PROGRAMMABLE CONTROLLERS				
Semester	Code	Name	T+P	Credit	ECTS
4	EN-2048	PROGRAMMABLE CONTROLLERS	4	4	4

Education Type	Language	Course Level	Course Internship Status	Type of Course
Formal Education	Turkish	Associate	No	Required

Department/Program	Precondition	Course Coordinator	Instructor	Course Assistants
Electronics Technology		None	Instructor M.Taner TUNCAY	None

The aim of lesson :

Programmable logic controllers understand the structure and working, ladder diagram and PLC programming, PLC programming interpret existing programs with a solution to a problem, interpret and develop the skills to win.

Course Contents :

Programmable controllers, PLCs basic units, logic operations, programming, ladder diagram and ladder diagram programming instructions, set-reset commands, timer-counter applications, comparison instructions, PLC automation systems design using



Tokat Gaziosmanpaşa University

Tokat Vocational School
Electronics Technology

EN-2004	SENSORS AND TRANSDUCERS				
Semester	Code	Name	T+P	Credit	ECTS
4	EN-2004	SENSORS AND TRANSDUCERS	3	3	4

Education Type	Language	Course Level	Course Internship Status	Type of Course
Formal Education	Turkish	Associate	No	Required

Department/Program	Precondition	Course Coordinator	Instructor	Course Assistants
Electronics Technology		None	Instructor M.Taner TUNCAY	None

The aim of lesson :

In this course, each kind of sensor, the corresponding circuit is aimed to gain the knowledge and skills to use.

Course Contents :

Sensor and transducer concepts, homes, work places and the sensors used in industry recognition, to use the work, make the appropriate selection of sensors is discussed.



Tokat Gaziosmanpaşa University

Tokat Vocational School
Electronics Technology

EN-2053	HOME DEVICES				
Semester	Code	Name	T+P	Credit	ECTS
3	EN-2053	HOME DEVICES	3	3	3

Education Type	Language	Course Level	Course Internship Status	Type of Course
Formal Education	Turkish	Associate	No	Elective

Department/Program	Precondition	Course Coordinator	Instructor	Course Assistants
Electronics Technology		None	Instructor M.Taner TUNCAY	None

The aim of lesson :

In this course; promote home appliance aimed to gain the knowledge and skills

Course Contents :

Washer and dryer to introduce devices. Heating and cooking equipment to promote. To introduce cooling devices.



Tokat Gaziosmanpaşa University

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Electronics Technology

EN-2023	CONTROL CIRCUITS				
Semester	Code	Name	T+P	Credit	ECTS
3	EN-2023	CONTROL CIRCUITS	3	3	3

Education Type	Language	Course Level	Course Internship Status	Type of Course
Formal Education	Turkish	Associate	No	Elective

Department/Program	Precondition	Course Coordinator	Instructor	Course Assistants
Electronics Technology		None	Instructor Mehmet Taner TUNCAY	None

The aim of lesson :

In this course, students will be able to assemble electromechanical control equipments and control one phase, three-phase asynchronous and direct current motors running, change the direction of the speed, braking operations using electromechanical components.

Course Contents :

Lecture, Practice, Homework, Project



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Electronics Technology

EN-2022	CONTROL SYSTEMS				
Semester	Code	Name	T+P	Credit	ECTS
4	EN-2022	CONTROL SYSTEMS	3	3	3

Education Type	Language	Course Level	Course Internship Status	Type of Course
Formal Education	Turkish	Associate	No	Elective

Department/Program	Precondition	Course Coordinator	Instructor	Course Assistants
Electronics Technology		None	Umut SARAY	None

The aim of lesson :

In this course, open-loop and closed-loop proportional-integral-derivative control systems are intended to gain qualifications on.

Course Contents :

Open and closed loop control systems, electromechanical control systems, microcontroller based control systems



Tokat Gaziosmanpaşa University

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Electronics Technology

EN-1004	COMPUTER AIDED CIRCUIT DESIGN				
Semester	Code	Name	T+P	Credit	ECTS
2	EN-1004	COMPUTER AIDED CIRCUIT DESIGN	3	3	3

Education Type	Language	Course Level	Course Internship Status	Type of Course
Formal Education	Turkish	Associate	No	Required

Department/Program	Precondition	Course Coordinator	Instructor	Course Assistants
Electronics Technology		None	Instructor B.Okan İÇMEZ	None

The aim of lesson :

To make computer-aided circuit simulation and computer-aided design of electronic cards

Course Contents :

Electronic circuit design, Simulation of electronic circuits, Electronic card design



Tokat Gaziosmanpaşa University

Tokat Vocational School
Electronics Technology

ENF100	INFORMATION TECHNOLOGIES AND OFFICE SOFTWARE				
Semester	Code	Name	T+P	Credit	ECTS
1	ENF100	INFORMATION TECHNOLOGIES AND OFFICE SOFTWARE	2	2	3

Education Type	Language	Course Level	Course Internship Status	Type of Course
Formal Education	Turkish	Associate	No	Required

Department/Program	Precondition	Course Coordinator	Instructor	Course Assistants
Electronics Technology		None	Instructor Ömer Faruk GÜRBÜZ	None

The aim of lesson :

Gaining the qualifications about using effectively information communication technologies and basic computer programs.

Course Contents :

Internet and Internet Browser, E-mail Management Newsgroups / Forums, Web-Based Learning, Personal Web Site Preparation, Electronic Commerce, Curriculum vitae in Word Processor Program Internet & Jobs Preparation to job interview Trading Statement Formulas and Functions Graphics Presentation Preparation Introductory Material Preparation



Tokat Gaziosmanpaşa University

Tokat Vocational School
Electronics Technology

EN-1028	DIGITAL DESIGN				
Semester	Code	Name	T+P	Credit	ECTS
2	EN-1028	DIGITAL DESIGN	3	3	3
Education Type	Language	Course Level	Course Internship Status	Type of Course	
Formal Education	Turkish	Associate	No	Elective	
Department/Program	Precondition	Course Coordinator	Instructor	Course Assistants	
Electronics Technology		None	Instructor Burak KARA	None	
The aim of lesson : Able to circuits design using flip-flops, Able to circuits design using IC, Able to make A / D and D / A converter					
Course Contents : Flip flops, Counters, Registers, A / D and D / A converters					



Tokat Gaziosmanpaşa University

Tokat Vocational School
Electronics Technology

EN-2041	COMPUTER AIDED DESIGN				
Semester	Code	Name	T+P	Credit	ECTS
3	EN-2041	COMPUTER AIDED DESIGN	3	3	3
Education Type	Language	Course Level	Course Internship Status	Type of Course	
Formal Education	Turkish	Associate	No	Required	
Department/Program	Precondition	Course Coordinator	Instructor	Course Assistants	
Electronics Technology		None	Instructor Yasemin İÇMEZ	None	
The aim of lesson : With this course, it is aimed to make two dimensional drawing with CAD package program.					
Course Contents : General introduction, opening files, saving output, select objects, delete and undo, capture points, drawing commands, editing commands, block commands, dimensioning, text, layers, screen editing commands.					



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Electronics Technology

EN-2043	ELECTRONICS-II				
Semester	Code	Name	T+P	Credit	ECTS
3	EN-2043	ELECTRONICS-II	4	4	4
Education Type	Language	Course Level	Course Internship Status	Type of Course	
Formal Education	Turkish	Associate	No	Required	
Department/Program	Precondition	Course Coordinator	Instructor	Course Assistants	
Electronics Technology		None	Volkan KARACA	None	
The aim of lesson : With this course, electronic circuits and printed circuit board that can be drawn with the program will be able to process.					
Course Contents : operational amplifiers and applications					



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Tokat Vocational School
Electronics Technology

İNG102	Ataturk's Principles and History of Turkish Revolution II				
Semester	Code	Name	T+P	Credit	ECTS
2	İİT102	Ataturk's Principles and History of Turkish Revolution II	2	2	2
Education Type	Language	Course Level	Course Internship Status	Type of Course	
Formal Education	Turkish	Associate	No	Required	
Department/Program	Precondition	Course Coordinator	Instructor	Course Assistants	
Electronics Technology		None	Specialist Dr. İzzet Bahri ATEŞLİ Specialist Dr. Ayşe ERYAMAN Specialist Dr. Sadet ALTAY Specialist Dr. Sabri ZENGİN Specialist Dr. Adnan GELMEZ	None	

The aim of lesson :

To understand Ataturk's reforms and how basic principles of the republic came into existence in Republic of Turkey establishment period. To help Turkish youth in the way of being unified individuals as a nation and becoming effective in the contemporary world.

Course Contents :

The last periods of the War of Independence. Treaties that causes the establishment of Republic of Turkey. Ataturk's principles which determine the features of Republic of Turkey and the revolutions which strengthen these principles



Tokat Gaziosmanpaşa University

Tokat Vocational School
Electronics Technology

İNG101	English I				
Semester	Code	Name	T+P	Credit	ECTS
1	İNG101	English I	2	2	2
Education Type	Language	Course Level	Course Internship Status	Type of Course	
Formal Education	Turkish	Associate	No	Elective	
Department/Program	Precondition	Course Coordinator	Instructor	Course Assistants	
Electronics Technology		None	Instructor H.Tüzün Paççı	None	

The aim of lesson :

The objective of this course is to be able to bring the students to the A2 Level in terms of CEF.

Course Contents :

Compulsory Foreign Language Courses (English)



Tokat Gaziosmanpaşa University

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Electronics Technology

EN-1042	VOCATIONAL MATHEMATICS				
Semester	Code	Name	T+P	Credit	ECTS
2	EN-1042	VOCATIONAL MATHEMATICS	2	2	4
Education Type	Language	Course Level	Course Internship Status	Type of Course	
Formal Education	Turkish	Associate	No	Required	
Department/Program	Precondition	Course Coordinator	Instructor	Course Assistants	
Electronics Technology		None	Instructor Mehmet EROĞLU	None	

The aim of lesson :

our goal is provide students with clear understanding of the ideas of mathematics as a solid foundation for subsequent courses in math and other disciplines.

Course Contents :

The concept of function, quadratic equations, and Trigonometric functions, complex numbers, the limit of a function and its derivative, Matrices and Determinants



Tokat Gaziosmanpaşa University

Tokat Vocational School
Electronics Technology

EN-1051	MEASURING TECHNIQUE				
Semester	Code	Name	T+P	Credit	ECTS
1	EN-1051	MEASURING TECHNIQUE	4	4	6

Education Type	Language	Course Level	Course Internship Status	Type of Course
Formal Education	Turkish	Associate	No	Required

Department/Program	Precondition	Course Coordinator	Instructor	Course Assistants
Electronics Technology		None	Instructor Tufan DOĞRUER	None

The aim of lesson :

This course aims to teach the student enrolling this class: how to perform measurement and calibration, how to perform error analysis, how to evaluate electric and electronics metrics and the operation principles of measuring devices.

Course Contents :

Using a measuring instrument Measurements of electrical and electronic circuits



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EN-1008	ELECTRONICS-I				
Semester	Code	Name	T+P	Credit	ECTS
2	EN-1008	ELECTRONICS-I	4	4	5

Education Type	Language	Course Level	Course Internship Status	Type of Course
Formal Education	Turkish	Associate	No	Required

Department/Program	Precondition	Course Coordinator	Instructor	Course Assistants
Electronics Technology		None	Instructor Tufan DOĞRUER	None

The aim of lesson :

The active and passive electronic components and properties

Course Contents :

Electronic circuit components, semiconductor materials, the structure and types of diodes, rectifier circuits, transistor definition, structure and types, JFET definition, structure and types, MOSFET



Tokat Gaziosmanpaşa University

Tokat Vocational School
Electronics Technology

AIİT101	Ataturk's Principles and History of Turkish Revolution I				
Semester	Code	Name	T+P	Credit	ECTS
1	AIİT101	Ataturk's Principles and History of Turkish Revolution I	2	2	2

Education Type	Language	Course Level	Course Internship Status	Type of Course
Formal Education	Turkish	Associate	No	Required

Department/Program	Precondition	Course Coordinator	Instructor	Course Assistants
Electronics Technology		None	Specialist Dr. Adnan GELMEZ Specialist Dr. Sadet ALTAY Specialist Dr. Ayşe ERYAMAN Specialist Dr. Sabri ZENGİN Specialist Dr. İzzet Bahri ATEŞLİ	None

The aim of lesson :

In order to understand conditions and features of the establishment of Republic of Turkey: To understand the reasons that forced Turkish nation to have Independence War, in which condition and within which terms Turkish War of Independence took place, upon which basis the state was established, and finally to educate next generations who know establishment philosophy of the state and who are respectful to Turkish state and nation.

Course Contents :

Aim of the course, its scope, and basic concepts. Final period of Ottoman Empire, its problems, modernization efforts and collapse. Turkish War of Independence.



Tokat Gaziosmanpaşa University

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Electronics Technology

ALM101	GERMAN I				
Semester	Code	Name	T+P	Credit	ECTS
1	ALM101	GERMAN I	2	2	2
Education Type	Language	Course Level	Course Internship Status	Type of Course	
Formal Education	Turkish	Associate	No	Elective	
Department/Program	Precondition	Course Coordinator	Instructor	Course Assistants	
Electronics Technology		None	Ömer Lütfi İSPİRLİ Ömer Lütfi İSPİRLİ Ayşe ERYAMAN Ömer Lütfi İSPİRLİ Ömer Lütfi İSPİRLİ Ömer Lütfi İSPİRLİ Ömer Lütfi İSPİRLİ Bahattin ÖZTOPRAK Yılmaz ANAS Ömer Lütfi İSPİRLİ Birsen ÖZYURT İlker ETİKAN Ömer Lütfi İSPİRLİ	None	

The aim of lesson :

Alman dilini temel düzeyde yazılı ve sözlü iletişim amaçlı kullanabilmek ve ileriye dönük dilin altyapısını güçlendirmektir

Course Contents :

Almanca temel gramer eşliğinde güncel konular



Tokat Gaziosmanpaşa University

Tokat Vocational School
Electronics Technology

FRA101	French I				
Semester	Code	Name	T+P	Credit	ECTS
1	FRA101	French I	2	2	2
Education Type	Language	Course Level	Course Internship Status	Type of Course	
Formal Education	Turkish	Associate	No	Elective	
Department/Program	Precondition	Course Coordinator	Instructor	Course Assistants	
Electronics Technology		None	Uğur KARAKAYA Uğur KARAKAYA Uğur KARAKAYA Uğur KARAKAYA Uğur KARAKAYA Uğur KARAKAYA Uğur KARAKAYA Uğur KARAKAYA Uğur KARAKAYA	None	

The aim of lesson :

Course Contents :



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Tokat Vocational School
Electronics Technology

EN-1053	DIRECT CURRENT CIRCUIT ANALYSIS				
Semester	Code	Name	T+P	Credit	ECTS
1	EN-1053	DIRECT CURRENT CIRCUIT ANALYSIS	4	4	6
Education Type	Language	Course Level	Course Internship Status	Type of Course	
Formal Education	Turkish	Associate	No	Required	
Department/Program	Precondition	Course Coordinator	Instructor	Course Assistants	
Electronics Technology		None	Tufan DOĞRUER	None	

The aim of lesson :

Implementation of the principles of electrical current and do all direct current electric circuits solutions to gain qualifications aimed .

Course Contents :

Static electricity, current and voltage, resistance and variations Ohms Law, Power, Energy, Efficiency, and electrical power supplies Kirchhoffs laws and the parallel circuit series circuit Serial and parallel circuits, single-source solutions The circuit solution methods Circuit theorems Capacitors and DC behavior RC circuits, DC analysis, transient events Inductance and DC behavior R - L circuits, DC analysis, transient events



Tokat Gaziosmanpaşa University

Tokat Vocational School
Electronics Technology

EN-1054	ALTERNATING CURRENT CIRCUIT ANALYSIS				
Semester	Code	Name	T+P	Credit	ECTS
2	EN-1054	ALTERNATING CURRENT CIRCUIT ANALYSIS	4	4	4

Education Type	Language	Course Level	Course Internship Status	Type of Course
Formal Education	Turkish	Associate	No	Required

Department/Program	Precondition	Course Coordinator	Instructor	Course Assistants
Electronics Technology		None	Instructor Tufan DOĞRUER	None

The aim of lesson :

The terms of alternating current circuits can recognize and able to make necessary alternative circuit analyze

Course Contents :

The Alternative circuit terms, Obtaining an alternating current, Circuit analysis



Tokat Gaziosmanpaşa University

Tokat Vocational School
Electronics Technology

EN-2066	MEDICAL DEVICES				
Semester	Code	Name	T+P	Credit	ECTS
4	EN-2066	MEDICAL DEVICES	3	3	3

Education Type	Language	Course Level	Course Internship Status	Type of Course
Formal Education	Turkish	Associate	No	Elective

Department/Program	Precondition	Course Coordinator	Instructor	Course Assistants
Electronics Technology		None	Instructor YASİN CEM DUYMUŞ	None

The aim of lesson :

Bu derste; Tıbbi cihazların elektrik montajı yapabilme bilgi ve becerilerinin kazandırılması amaçlanmaktadır.

Course Contents :



Tokat Gaziosmanpaşa University

Tokat Vocational School
Electronics Technology

EN-2034	ELECTRONIC SECURITY SYSTEMS				
Semester	Code	Name	T+P	Credit	ECTS
4	EN-2034	ELECTRONIC SECURITY SYSTEMS	3	3	3

Education Type	Language	Course Level	Course Internship Status	Type of Course
Formal Education	Turkish	Associate	No	Elective

Department/Program	Precondition	Course Coordinator	Instructor	Course Assistants
Electronics Technology		None	Instructor Burak KARA	None

The aim of lesson :

Each student, closed-circuit cameras and access control system to control the system, install your system, fire detection, alarm system wiring and robbery alarm system will learn to harness.

Course Contents :

To check the connection and installation elements Off-circuit camera systems. To repair the connection and installation elements Off-circuit camera systems. Elements access control system, access control systems and installation of the connection elements. Transition to maintenance and repair of control systems. Fire and fire alarm control panel and installation, alarm detectors connections. Installing burglar alarm systems. Repairing burglar alarm systems



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Tokat Vocational School
Electronics Technology

EN-2002	FAILURE ANALYSIS				
Semester	Code	Name	T+P	Credit	ECTS
4	EN-2002	FAILURE ANALYSIS	3	3	4

Education Type	Language	Course Level	Course Internship Status	Type of Course
Formal Education	Turkish	Associate	No	Required

Department/Program	Precondition	Course Coordinator	Instructor	Course Assistants
Electronics Technology		None	Instructor B. Okan İÇMEZ	None

The aim of lesson :

Comprehension of measurement and diagnosis logic, development maintenance and trouble shooting capability

Course Contents :

Diagnosis (troubleshooting) and maintenance by using measurement and test devices



Tokat Gaziosmanpaşa University

Tokat Vocational School
Electronics Technology

EN-2001	POWER ELECTRONICS				
Semester	Code	Name	T+P	Credit	ECTS
3	EN-2001	POWER ELECTRONICS	4	4	4

Education Type	Language	Course Level	Course Internship Status	Type of Course
Formal Education	Turkish	Associate	No	Required

Department/Program	Precondition	Course Coordinator	Instructor	Course Assistants
Electronics Technology		None	Instructor Burak KARA	None

The aim of lesson :

In this course; semiconductor switching elements, rectifier and chopper circuits for applications aimed to gain knowledge and skills.

Course Contents :

semiconductor switching elements