MUNZUR UNIVERSITY
ÇEMİŞGEZEK VOCATIONAL SCHOOL
DEPARTMENT OF COMPUTER TECHNOLOGIES
HEALTH INFORMATION SYSTEMS TECHNICIAN PROGRAM

1. Semester Lessons

Code	Lesson	C/E	T Hour	P. Hour	Credit	ECTS
AITG101	Ataturk Principle And revolutions History-I	C	2	0	2	2
MATG101	Mathematics-I	C	2	0	2	2
TRDG101	Turkish Language-I	C	2	0	2	2
YDİG101	English-I	C	2	0	2	2
BLGG101	Informatics Technologies-I	C	2	1	2.5	2
SBZG101	algorithm And to programming Entrance	C	4	0	4	4
SBZG102	Health Information systems	C	2	0	2	4
SBZG103	Medical Terminology	C	2	0	2	4
SBZG104	in health New Technologies And mobility	C	2	1	2.5	4
SBZG105	Software Setup And Management	C	2	1	2.5	4
		Total	22	3	23.5	30

2. Semester Lessons

Code	Lesson	C/E	T Hour	P. Hour	Credit	ECTS
AITG202	Ataturk Principle And History of Revolutions-II	C	2	0	2	2
MATG202	Mathematics-II	C	2	0	2	2
TRDG202	Turkish Dili-II	C	2	0	2	2
YDİG202	English-II	C	2	0	2	2
BLGG202	Informatics Technologies-II	C	2	1	2.5	2
SBZG201	in health Web designing	C	2	1	2	3
SBZG202	Health Services Management	C	3	0	3	4
SBZG203	Internet Programming-I	C	4	0	4	5
SBZG204	Medical Documentation	C	3	0	3	4
SBZG205	Computer Hardware	C	3	0	3	4
		Total	25	2	26	30

3. Semester Lessons

Code	Lesson	C/E	T Hour	P. Hour	Credit	ECTS
SBZG301	Internet Programming-II	C	4	0	4	4
SBZG302	Contents Management System	C	2	0	2	3
SBZG303	Network basics	C	2	0	2	3
SBZG304	Data base Management Systems	C	4	0	4	4
SBZG305	Hospital automation	C	3	1	3.5	4
Compulsory Lessons						18
SBSG301	Communication	E	2	0	2	2
SBSG30	Web Project in Health	E	4	0	4	4
SBSG303	Medical Devices	E	3	0	3	4
SBSG304	System Analysis And Design	E	3	1	3.5	4
CSDG301	Research Method and Techniques	E	2	0	2	2
CSDG302	entrepreneurship	E	2	0	2	3
GÖNG101	volunteering Works	E	1	2	2	4
İHDG111	Person Rights	E	2	0	2	2
KPDG111	Career Planning	E	2	0	2	3
Note: Optional from lessons minimum 12 ECTS worth lesson will be selected.		Total	36	4	38	46

4. Semester Lessons

Code	Lesson	C/E	T Hour	P. Hour	Credit	ECTS
MEPG401	Vocational Education	C	0	36	18	24
BPDG402	Vocational Education Finishing Project	C	0	4	2	6
		Total	0	40	20	30

MUNZUR UNIVERSITY
ÇEMİŞGEZEK JOB HIGH SCHOOL
COMPUTER DEPARTMENT OF TECHNOLOGIES
HEALTH INFORMATION SYSTEMS TECHNICIAN PROGRAM LESSON CONTENTS

I. PERIOD					
Lesson First Name	**C/E**	**Theory**	**Practical**	**Credit**	**ECTS**
Ataturk Principle And revolution History-I	C	2	0	2	2

Definition of the Revolution and the Reasons Leading to the Revolution, Efforts to Save the Ottoman Empire, Tripoli, I. and II. Balkan Wars, World War I and the Fall of the Ottoman Empire, Armistice of Mudros and the Occupation of Izmir, MustafaKemal's Landing in Samsun, Preparatory Period of the War of Independence and Congresses, Opening of the Turkish Grand National Assembly, Against the Turkish Grand National Assembly Uprisings, Treaty of Sevres, Fronts in the War of Independence, Wars on the Western Front (I. İnönü, Kütahya- Eskişehir, Sakarya, Great Offensive), Mudanya Armistice Treaty and Its Results, Lausanne Peace Treaty, Sultanate removal, Caliphate removal And of the republic Advertisement

Lesson First Name	**C/E**	**Theory**	**Practical**	**Credit**	**ECTS**
Mathematics-I	C	2	0	2	2

Numbers (Natural numbers, Integers, Rational numbers and Decimal numbers), Exponents, Radical Numbers, Algebraic Expressions, Identities, Factorization and Rational Expressions, Functions, First Order Equations, Quadratic Equations And Inequalities Second degree Function And graphics, Trigonometry, In triangles Trigonometric emoticons, Logarithm, Well-behaved of equations solution, in economics graphic of the drawing mathematical size.

Lesson First Name	**C/E**	**Theory**	**Practical**	**Credit**	**ECTS**
Turkish Language-I	C	2	0	2	2

your tongue, person your mind product is ability to comprehend, Turkish of your language structural features And your wealth ability to comprehend,To be able to understand the historical development stages of the Turkish language, to understand the language-culture- nation relationship, to understand the theories of the birth of languages. ability to comprehend, of Turkish World languages between replace ability to comprehend, with composition relating to general informationlearning, composition planning and application, understanding the ways to be successful in written expression, research, read And information to improve their abilities.

Lesson First Name	**C/E**	**Theory**	**Practical**	**Credit**	**ECTS**
English-I	C	2	0	2	2

Greetings, names , oath ages ; numbers ; Days , months oath seasons ; simple tense structure.This is …, that is …; What time is it; Action in Progress , Who … ?, What … ?, Where ; talking about today habits , ideas , opinions ; Propositions of time: at, on, in; talking about schedules oath calendars ; Abilities oath inabilities : can, can't ; A family tree ; Possessive Pronouns ; Family members ; obligations prohibitions oath lack Ugh necessity : must , mustn't ; obligations prohibitions oath lack of necessity don't / doesn't have to

Lesson First Name	**C/E**	**Theory**	**Practical**	**Credit**	**ECTS**
Informatics Technologies-I	C	2	1	2.5	2

computer history, Operating systems basis duties, Operating system types, Network technologies, Internetuse of, computer external equipment And drink hardware, computer environment components.

Lesson First Name	C/E	Theory	Practical	Credit	ECTS
Algorithm And to Programming Entrance	C	4	0	4	4

Programming tools, variables and constants, input-output operations, operators, algorithm and flow diagram, decision structures, loop controls, one-dimensional arrays, multi-dimensional arrays, subroutines, sequential files, random access folders.

Lesson First Name	C/E	Theory	Practical	Credit	ECTS
Health Information Systems	C	2	0	2	4

Being able to provide information about the concepts of health and health information system and the elements of the health system, health systems And models explanation, In Turkey in health Transformation Program And This in the frame e-health transformation, definition and scope of health informatics, the role of informatics in the transforming health system, fields of health informatics and applications, definition and scope of electronic health records, usage areas and their legacy , from past to present Examining EHR systems and EHR structures and gathering information about the latest developments in this field, interoperability and integration concepts, medical diagnosis, procedure, medicine, medical equipment and similar used in the world and in Turkey. Data transmission, content and structure, with standards and codes such as ICD-10, GMDN, SNOMED, ICPC, ICF, DRG used in fields, message, security And privacy, fictional integration, device integration And like in areas developed standards will be explained.

Lesson First Name	C/E	Theory	Practical	Credit	ECTS
Medical Terminology	C	2	0	2	4

As in every profession, there is a unique language used in the medical profession. used in this language word And terms "Medical Terminology creates. Medical your terms big majority Latin or Greek origin. In this course, the student's daily medical applications during used medical to terminology general regarding concepts to learn is targeted.

Lesson First Name	C/E	Theory	Practical	Credit	ECTS
in health New Technologies And mobility	C	2	1	2.5	4

Medical technology historical development, in health new medical technological improvements, laser applications, laparoscopic Andendoscopic initiatives, robotic surgery, telemedicine, nanotechnology .

Lesson First Name	C/E	Theory	Practical	Credit	ECTS
Software Setup And Management	C	2	1	2.5	4

Operating systems, operating system installation, system features, audit table, group principles, operating systemto multiply, security software, office software, other application software.

II. PERIOD					

Lesson First Name	C/E	Theory	Practical	Credit	ECTS
Ataturk Principle And revolution History-II	C	2	0	2	2

Revolutions in the Political Field, Political Parties and Trials of Transition to Multi-Party Life, Studies in the Field of Law Revolutions, Revolutions Made in the Social Field, Revolutions Made in the Economic Field, Turkish Revolutions Between 1923-1938 External Politics, Turkish After Ataturk External policy, Ataturk's Principles And Integral Principles.

Lesson First Name	C/E	Theory	Practical	Credit	ECTS
Mathematics-II	C	2	0	2	2

polynomials , identity, inequality, function, binomial theorem, pascal triangle, second degree equations, solution set , roots, parabola, exponential functions, graphic drawing, logarithm, absolute value, complicated numbers.

Lesson First Name	C/E	Theory	Practical	Credit	ECTS
Turkish Dili-II	C	2	0	2	2

To be able to recognize the types of written expression in daily life, to learn the rules of spelling, to use punctuation in writing. in the narration its importance ability to comprehend, TRUE your narration personal And social in communication its importance ability to comprehend, being able to learn expression disorders, comprehending petition-resume writing, researching, reading and getting information their capabilities ability to apply.

Lesson First Name	C/E	Theory	Practical	Credit	ECTS
English-II	C	2	0	2	2

Simple present tense, present continuous tense, past tense, irregular verbs , future tense, present perfect tense, for ..just ..since .., past continuous tense, past perfect tense, future continuous tense, past perfect continuous tense.passive voice , comparative oath superlatives

Lesson First Name	C/E	Theory	Practical	Credit	ECTS
Informatics Technologies-II	C	2	one	2.5	2

Office Programs and their types, Word processing programs, Calculation, tabulation and graphics programs, Presentation preparation program. Computer networks and the Internet, Internet browsers, Internet use, Electronic mail use, Secure Internet use of.

Lesson First Name	C/E	Theory	Practical	Credit	ECTS
in health web Design	C	2	one	2	3

Performing basic operations for WEB pages with HTML codes, advanced features for WEB pages with HTML codesto create, style template (CSS) configuration to actualize.

Lesson First Name	C/E	Theory	Practical	Credit	ECTS
Health Services Management	**C**	**3**	**0**	**3**	**4**

Understanding management and organization concepts, evaluation of health services and health institutions, health Comprehending the principles and dimensions of management in businesses. Development of management and health enterprise management, In Turkey health services development and organization, hospital management, health of their businesses functions, in healthcare businesses performance evaluation, patient rights and contemporary approaches.

Lesson First Name	C/E	Theory	Practical	Credit	ECTS
Internet Programming I	**C**	**4**	**0**	**4**	**5**

Installation and Testing of Application Software, Variables and Constants, Operators, Decision Control Structures, Loop Control Structures, User Defined Functions, Ready Functions, Arrays and Objects, Filing Procedures, WEB Form Applications, Inter-Page Data Transfer Methods, Database Transactions-1, Database Transactions-2, XML and WEB services -1, XML And WEB services -2.

Lesson First Name	C/E	Theory	Practical	Credit	ECTS
Medical Documentation	**C**	**3**	**0**	**3**	**4**

Tax, information, document, medical document and documentation, patient record, patient file, importance, usage area, content,patient file archives, archives importance, architectural structure and features.

Lesson First Name	C/E	Theory	Practical	Credit	ECTS
Computer Hardware	**C**	**3**	**0**	**3**	**4**

Physical Structure of the Computer: Motherboard ; Processor; Memory; Floppy Drives; Hard Disks; Hard Disk Drive Systems; removable Storage Units: tape Backup Units; compact Discs; Entry And Output Units: Connection points; Keyboard; Mouse; Game Stick; Scanner; Digitizer Tablet; Sound card; Graphics Card; Expansion Cards; Monitor Printer; Scribe; Modem Network Cards; Big; Middle And Small Size Computer of their equipment recognition And Comparison.

III. PERIOD					
Lesson First Name	**C/E**	**Theory**	**Practical**	**Credit**	**ECTS**
Internet Programming-II	C	4	0	4	4

Software installations and publishing for web server, variables and constants, operators and processing priority, decision making control statements, loop control statements, user-defined functions, canned functions, array operations, file operations, web forms, data transfer between pages, database connection, database operations, XML applications and web services.

Lesson First Name	**C/E**	**Theory**	**Practical**	**Credit**	**ECTS**
Contents Management System	C	2	0	2	3

Contents management of the system installation, database by creating One to the server transfer, site management, contentsmanagement, component management, plugin management, tools management, theme management. Mambo, Joomla , Drupal tools content with management systems applications.

Lesson First Name	**C/E**	**Theory**	**Practical**	**Credit**	**ECTS**
Network basics	C	2	0	2	3

Computer networks, Network Topologies , Network cables, Network addressing, Sharing and security, Network peripherals, Network communicationsystems, Network protocols.

Lesson First Name	**C/E**	**Theory**	**Practical**	**Credit**	**ECTS**
Data base Management Systems	C	4	0	4	4

Database operations, Entity, Data Types Association, Integrity and indexing , Normalization rules Microsoft Access environment, introduction to Access programming Tables and data entries Queries and Forms Operations on forms and functions, Reporting User and group definitions And rights SQL SQL Server idioms.

Lesson First Name	**C/E**	**Theory**	**Practical**	**Credit**	**ECTS**
Hospital automation	E	3	one	3.5	4

To provide information about the components of the hospital information management system. Hospital information systems and hospital information in the system place area modules to show. Data base management systems And data base applications about informationto give. Table, form, report and inquiry processes to develop and hospital information of the system basis components And features about information to give.

Lesson First Name	**C/E**	**Theory**	**Practical**	**Credit**	**ECTS**
Communication	E	2	0	2	2

Purpose and importance of communication, communication process, types of communication, types of verbal, non-verbal and written communication, group and mass communication, communication in business life, communication barriers, technological communication tools, motivation methods, persuasion methods covers the topics.

Lesson First Name	**C/E**	**Theory**	**Practical**	**Credit**	**ECTS**
health web Projects	E	4	0	4	4

WEB of the site needs WEB site designing WEB site to broadcast preparation operations WEB site publishing operations WEB site security settings WEB site backup operations WEB site caretransactions to be able to realize.

Lesson First Name	C/E	Theory	Practical	Credit	ECTS
Medical Devices	E	3	0	3	4

To inform about the types of medical devices and their basic systems. The use of these devices To gain knowledge and skills about assembly and necessary software installation and updates. is intended.

Lesson First Name	C/E	Theory	Practical	Credit	ECTS
System Analysis And Design	E	3	one	3.5	4

Choosing the Project Topic for the Field, Presenting the Information Obtained, Identifying the Subjects and Working Environment of the Project With analysis To determine, Project inside Will be saved Datas And types Detection To do, in hand made Information To present, of the project algorithm And Flow scheme To determine, of the project will work platform To create, made Presenting the Preparations, Writing and Testing the Codes of the Main Subjects of the Project, Presenting the Project, Details for the Project Receiving Suggestions, Writing and Testing Code, Presentation of the Project, Preparing the Project Installation Package, All Project Stages Report containing Preparing the Booklet.

Lesson First Name	C/E	Theory	Practical	Credit	ECTS
Research Method And techniques	E	2	0	2	2

Scientific Research to your principles According to Data Collection And of data Analysis; Report Don't write to your principles Suitable Aspect Research consequences Report Don't; Research of topics presentation, datashow , Slide Machine, Internet (Webpage) etc. Use of Devices and Technologies; Getting to Know Business Life; By Researching Innovations in the Field of Computers developments Follow-up Ability to; In Community Self-Confidence through Self-Expression your feeling Development.

Lesson First Name	C/E	Theory	Practical	Credit	ECTS
entrepreneurship	E	2	0	2	3

Concepts Related to Entrepreneurship; Importance and Development of Entrepreneurship; Characteristics of Entrepreneurs; Internal and Foreign Entrepreneurship; In entrepreneurship Motivation; In entrepreneurship Creativity And Innovation; Meet, Brand And Your designs Protection; Business Ideas in Entrepreneurship; Preparing a Business Plan and Turning it into a Document; Management, Marketing, finance And Production Plans; entrepreneurship Stories.

Lesson First Name	C/E	Theory	Practical	Credit	ECTS
volunteering Works	E	1	2	2	4

The work of non-governmental organizations in today's world, including volunteer work and civil society work. about their procedures and principles, their activities, and their ability to explain themselves to the public in the context of promotion and public relations. They will see their strategies. These next to you various non-governmental organizations own activities the experience they convey sharing It will happen.

Lesson First Name	C/E	Theory	Practical	Credit	ECTS
Person Rights	E	2	0	2	2

Basic concepts related to human rights, knowledge of basic concepts related to human rights, citizenship and democracy, human understanding the historical development of human rights, understanding the transition process of human rights to the international arena, national and international level person your rights How that you are protected understanding, human rights And citizenship of education the importance understanding.

Lesson First Name	C/E	Theory	Practical	Credit	ECTS
Career Planning	E	2	0	2	3

The aim of this course is the concept of career, career planning, the relationship between career planning and vocational counseling, individual career development, resume types And resume preparation, work meeting, career planning process, Turkish education evaluation of the system in line with career planning, applicability of career planning in schools, career planning in schools applicability ii , life career throughout planning, life length career planning, career planning, Subject repetition And back like notification gains is to provide.

IV. PERIOD					
Lesson First Name	**C/E**	**Theory**	**Practical**	**Credit**	**ECTS**
Vocational Education	**C**	**0**	**36**	**18**	**24**

Lesson period along vocational experience gaining. Sectoral to needs judge to be. Sectoral recognition gaining . Your student in the section won theoric information to the implementation facility recognition . Your experiencesreporting And presenting.

Lesson First Name	**C/E**	**Theory**	**Practical**	**Credit**	**ECTS**
Vocational Education Finishing Project	**C**	**0**	**4**	**2**	**6**

Project of subjects determination, Project subjects with relating to literature study to be done, Project subjects with relating to applications to be done,project of the report preparation.