# EASTERN MEDITERRANEAN UNIVERSITY

# SCHOOL OF COMPUTING AND TECHNOLOGY (SCT)

The first and only technology school in TRNC

# School of Computing and Technology

SCT was established in 1979 and is the most experienced academic unit of EMU.

There are more than 800 registered students at the SCT.

International students constitute 30% of SCT's students.

# School of Computing and Technology

## Instruction language of SCT;

The language of instruction of Master's and Undergraduate programs is **English.**

The instruction language of 10 technician program is **Turkish.**

The instruction language of 7 technician (3 Years) program is **Turkish.**

# Accreditations

| | |
|---|---|
|  | **FIBAA:** Foundation for International Business Administration Accreditation<br>The EMU Accounting and Taxation Application, and Medical Documentation and Office Management programs have FIBAA accreditation.<br>http://www.fibaa.org |
|  | **ASIIN & Euro-Inf. Label:** Accreditation Agency for Degree Programmes in Engineering, Informatics, Natural Sciences and Mathematics<br>The EMU Information Technology master's program, and Computer Programing and Information Technology programs have FIBAA accreditation.<br>http://www.asiin-ev.de |

# Accreditations

| | |
|---|---|
|  | **EDEXCEL:** Higher National Diploma-HND-UK EMU school of Computing and Technology and the faculty of Tourism Management are the authorized EDEXCEL centers. http://www.edexcel.com |

# Certificates



| | |
|---|---|
|  | **Euro-Inf Label:** Euro-Inf Bachelor Quality Label (Bachelor Awarded by EQANIE-European Auality Assurance Network for Informatics Education e.V.) EMU Computer Programing and Information Technology program has Euro-Inf label certification. http://www.eqanie.eu/pages/quality-label/accredited-programmes.php |
|  | **ASIIN & Euro-Inf. Label:** Accreditation Agency for Degree Programmes in Engineering, Informatics, Natural Sciences and Mathematics EMU Computer Programing, Biomedical Equipment Technology,Electric and Electronics Technology, Mapping and Cadastral survey, Constriction Technology associate degree programs has ASIIN certification. http://www.asiin-ev.de |

# Accreditations and Certificates

# SCT Programs

SCT has 19 programs in total.

1 Master's

1 Bachelor's (undergraduate)

10 Associate(2 Years)

7 Technician (3 Years)

# These Programs

Information Technology (Master's–English)

Constriction Management (2 and 3 Years–Turkish)

Computer Programing and Information Technology (4 Years Bachelor–English/Turkish)

Mapping and Cadastral survey (2 and 3 Years–Turkish)

Computer Programing (2 and 3 Years–Turkish)

Computer Aided Technical Drawing (2Years–Turkish)

Biomedical Equipment Technology (2 and 3 Years–Turkish)

Electric and Electronic Technology (2 and 3 Years–Turkish)

Medical Documentation and Office Management (2 and 3 Years–Turkish)

Accounting and Taxation Applications (2 and 3 Years–Turkish)

Office Management and Secretariat (2 Years–Turkish)

Banking and Insurance (2 Years–Turkish)

# SCT's Goals

## It will educate experienced staff, who:

Fluent to foreign languages,

Able to use computer and technology effectively,

Follow the developments in the expert area and profession,

Fit and appropriate for team-work,

To meet the business word's and industry's requirements.

# Educational model of SCT

Practical and applicable education,

Project based training,

Learning based education,

Integration with industry.

# SCT's Laboratories

**Doğu Akdeniz Üniversitesi**
"Erdem, Bilgi, Gelişim"

9 Computer Laboratories

1 Computer Aided Drawing Laboratory

1 Office Management Laboratory

1 Computer Hardware Laboratory

1 Biomedical Laboratory

2 Electric installation Laboratory

1 Electronic Laboratory

1 Microprocessor Laboratory

1 Printed Circuit Laboratory

1 Technical Drawing Salon

# SCT's Laboratories

**Computer Laboratories**

**Electric installation  Laboratory**

# SCT's Laboratories

**Office Management Laboratory**

**Computer Aided Drawing Laboratory**
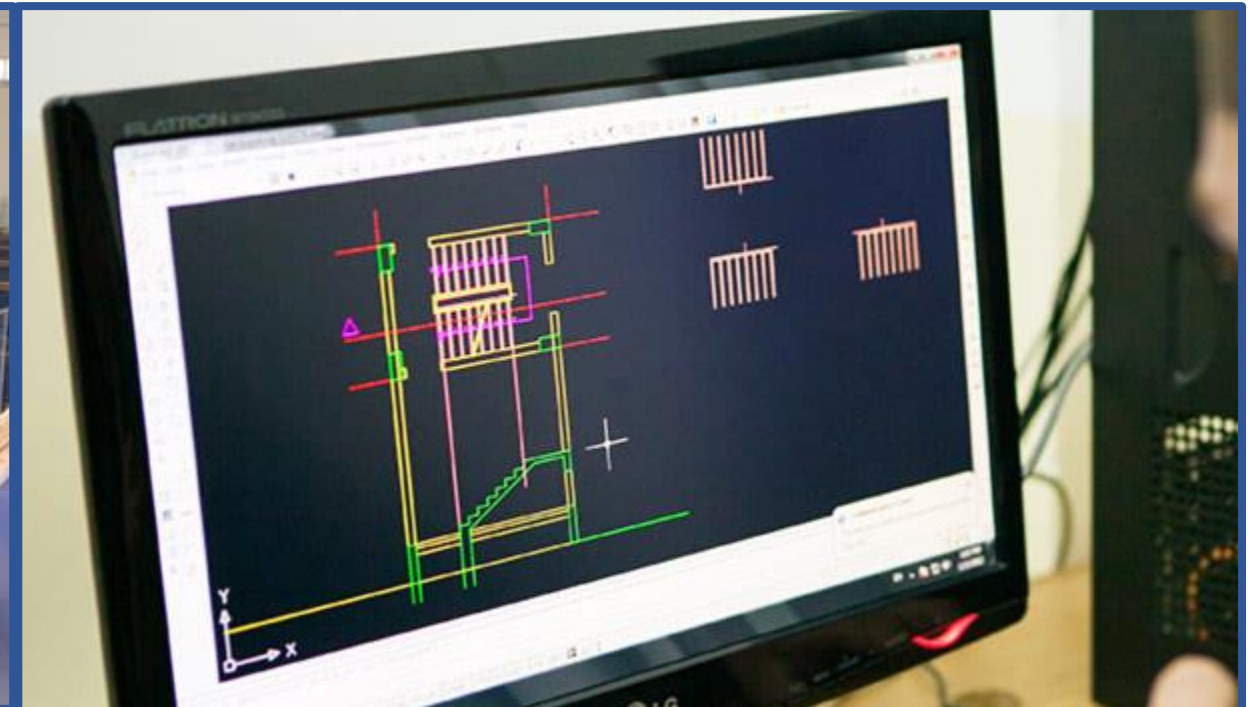
# SCT's Laboratories

**Hardware Laboratory**

**Biomedical Laboratory**

# SCT's Laboratories

**Electronic Laboratory**



**Microprocessor Laboratory**

# SCT's Laboratories

**Printed Circuit Laboratory**

**Technical Drawing Salon**

# Student Facilities at SCT

Unlimited internet for all students at the campus and the department.

Free working laboratories during the day, at night, and on weekends.

Project Development Opportunities.

Projection supported  laboratories and classes.

Supporting courses in SCT laboratories with up-to-date software used in the market place.

# Student Facilities at SCT

Up-to-dare technical tools for technical education.

A computer facility for each student in the laboratories.

Open door policy of instructors.

Disability assistance.

# Other advantages of SCT

Entrance without exam:

Vocational high school graduates can register to the Turkish technician (2 years) programs without an examination since 1999.

TRNC citizens who graduated from the technician (3 years) programs have the right of being reserve officers.

# Scholarship Opportunities

**Government/State Scholarships:**

All TRNC students who entered without exam (2.50/4.00) will reward with state scholarship regardless of their family status.

**Merit Scholarship:**

Merit scholarship for high school or vocational schools' degree graduates.

Merit scholarship for the top result of entrance exam.

**Sports Scholarship.**

**High honour reward.**

# About Registration

School tuition fees are TL.

Dormitory is offered for all new students.

*For more information visit our website: ''https://www.emu.edu.tr/prospectivestudents''.*

# Details of our Master, Undergraduate, Associate and Technician ( 2 years, and 3 years) programs.

# Information Technology (Master)

**Program Goals:**

To train information technology experts who design, implement, maintain, and evaluate information technology projects by combining technical knowledge and theory in line with increasing global needs, by providing masters' study opportunities with up-to-date computer technologies.

Program Duration: 1- 1/5 years

Instruction language is **English**.

Has label accreditations of ASIIN and Euro-Inf.

Graduate diploma is given.

# Information Technology (Master)

## Courses

- IT Project Management.

- Advanced Software Design and Development.

- Research Methods and Ethics in Information Technologies.

- Computer Networking Applications.

- Elective courses.

- Term Projects.

# Information Technology (Master)

| JOB/CAREER OPPORTUNITIES |
|---|
| System Engineer, Software Engineer |
| Software Development Specialist, Software Support Specialist, Mobile Software Development Specialist |
| IT Specialist, Web and Social Media Specialist |
| Network Systems Specialist, Pre-Sales Technology Specialist |
| E-Commerce/E-Trade Manager, Project Team Manager |
| Information System |
| Interface Developer |
| Instructor |

# Computer Programing and Information Technology (4 years Bachelor)

**Purpose of the Program:**

To train staff members who have effective project development skills and who can follow and apply today's technology equipped with the knowledge and skills required for software techniques.

Since 1994.

Program Duration: 4 Years.

Has label accreditations of ASIIN and Euro-Inf.

Instruction language is **English/ Turkish**.

The OSYM quota can vary every year.

It provides the opportunity to do Master and Ph.D.

Transfer students are accepted.

# Computer Programing and Information Technology

## 1. Year Courses

Information Technology Fundementals

Algorithm and Programming Techniques

Introduction to Business

Basic Mathematics

English I

Structured Programming

Introduction to Multimedia

Discrete Mathematics for Information Technologies

English II

Ataturk's Principles and History of Turkish Revolution

University Elective course I

# Computer Programing and Information Technology

## 2. Year Courses

Database Management Systems

Data Structures and Applications

Human-Computer Interaction

Client-Side Internet and Web Programing

Computer Organization and its Architecture

Operating Systems

Database Programming

Rich Internet Application (RIA) Development

Object Oriented Programming

Digital Logic Design

# Computer Programing and Information Technology

## 3. Year Courses

Computer Networks I

System Analysis and Design

Server-Side Internet and Web Programming

Introduction to Statistics

University Elective II

Computer Networks II

Multi-Platform Programing

Software Engineering

Ethical and Social Issues in Information Systems

Area Elective I

# Computer Programing and Information Technology

## 4. Year Courses

- Summer Training
- Graduation Project Orientation
- Information Systems Security
- Analysis of Algorithms
- Management Information Systems
- Area Elective II
- Area Elective III

- Graduation Project
- Area Elective IV
- Area Elective V
- University Elective III
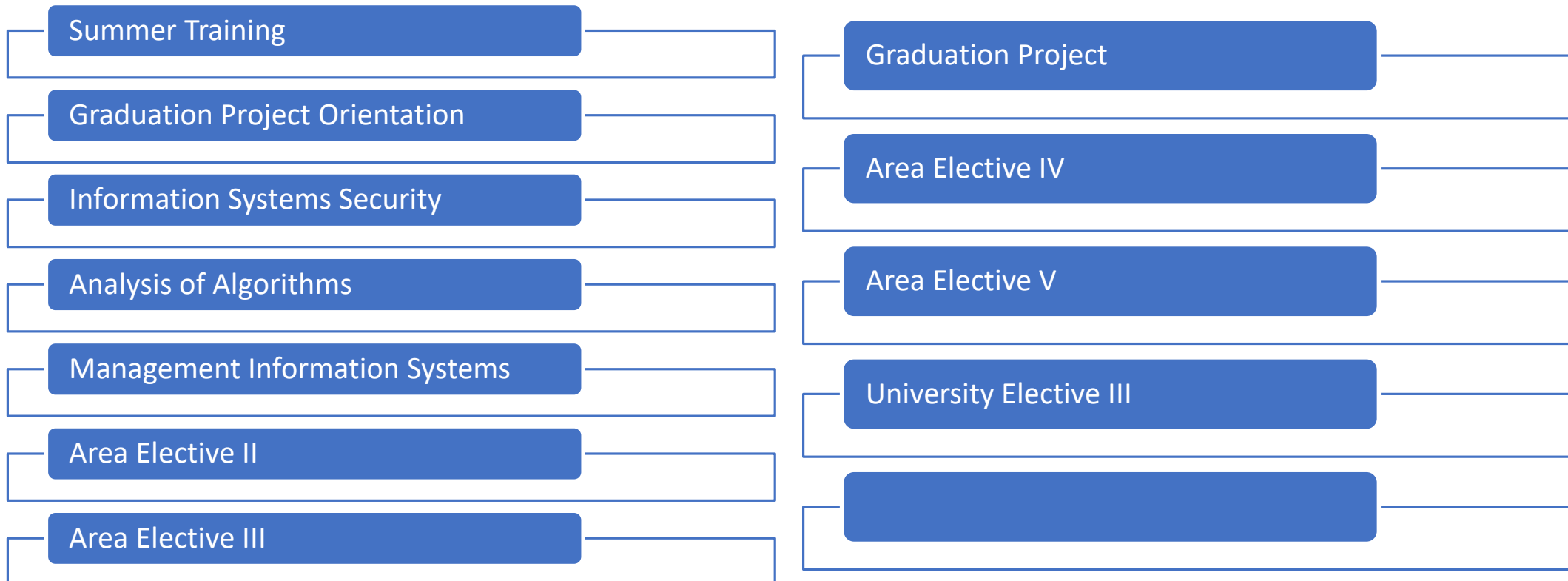
# Computer Programing and Information Technology

## JOB/CAREER OPPORTUNITIES

Website design, programming and management

Database design and management

Software Engendering

System architecture

System analysis and design

Computer programming

Project team management

Computer networks setup and management

Computer Instractor

# Computer Programming

Purpose of the Program:

To train staff (intermediate) who can set up computer and computer systems, do all kinds of web operations of businesses, develop application programs for businesses, and successfully fulfill these duties and responsibilities.

Program duration: 2+1 Years

Instruction language is **Turkish**.

Has label accreditations of ASIIN and Euro-Inf.

Quantitative 1 score is required.

OSYM quota varies every year.

Transfer students are accepted.

# Computer Programming

## 1. Year Courses

| | |
|---|---|
| Basic English I | Basic English II |
| Mathematics for Electronic Technician | Data Structures and Programming |
| Introduction Algorithm and Programming | Database Management Systems |
| Fundamentals of Information Technologies | Principles of Business |
| Basic Office Applications | Introduction to Computer Hardware |
| Electrotechnology | Ataturk's Principles and History of Turkish Revolution |

# Computer Programming

## 2. Year Courses

Visual Programing

Software Architecture

Internet Programing I

Internet Programing II

Operating Systems

Computer Graphics and Animations

System Analysis and Design

Computer Networks

Object Oriented programming

Area Elective II

Area Elective I

Area Elective III

Summer Training

# Computer Programming

**3. Year Courses (**2-year's associate degree students can continue)

E-Commerce Applications

Semester Training

Information System Security

Graduation Project

Internet Application Using Database

Advanced Desktop Applications

Advanced Animation Techniques

# Computer Programming

## JOB/CAREER OPPORTUNITIES

Website design and programming

Database applications and development

Computer setup and maintenance

Computer Programing

Computer networks maintenance

Desktop publishing

System development and implementation

# Electric and Electronics Technology

Purpose of the program:

To train qualified intermediate staff in terms of electronics, microprocessors, electrical installations, motor control and winding techniques and computer hardware .

Program duration : 2+1 years .

Instruction language is **Turkish**.

It has ASIIN accreditation.

Quantitative 1 score is required.

OSYM quota varies every year.

Transfer students are accepted.

It is possible to transfer to 4-years Engendering programs ( DGS is required for students from Turkey).

# Electric and Electronics Technology

## 1. Years Courses

| | |
|---|---|
| Basic English I | Basic English II |
| Mathematics for Electronic Technician | Electronics I |
| Vocational Orientation | Digital Electronics |
| Electrotechnology | Computer Applications |
| Introduction to computer | Electrical Installation I |
| Electronic Material Properties | Field Elective |

# Electric and Electronics Technology

## 2. YIL DERSLERİ

Occupational Terminology

Electronics II

Microprocessors

Electrical Installation II

Electric Machines and Domestic Appliances

Area Elective

Summer Training

Electronics III

Electronic-Lab

Electrical Installation III

Introduction to Computer Hardware

Area Elective

Ataturk's Principles and History of Turkish Revolution

# Electric and Electronics Technology

**3. Year Courses** (2-years's associate degree students can continue)

Microprocessor Applications

Digital Electronics Applications

Industrial Electronics

Computer Hardware Applications

Technical Elective

Industrial Internship

Graduation Project

# Electric and Electronics Technology

## JOB/CAREER OPPORTUNITIES

Controlling of building and industrial electrical installations, projecting, applications.

Maintenance and repair of electrical machines and household appliances

Computer assembly, maintenance and repair services

Laboratory technical teacher

Industrial machinery electronics

Microprocessor applications

Data communication

Electronic circuit design and production

Solar and wind energy projects

# Biomedical Equipment Technology

**Purpose of the Program:**

To train technical staff who qualified with medical device maintenance skills, could repair and use them, and to improve the quality of work in the marketplace.

Program duration: 2+1 years.

Instruction language is **Turkish**.

It has ASIIN accreditation.

Quantitative 1 score is required.

OSYM quota varies every year.

Transfer students are accepted.

It is possible to transfer to 4-years Engendering programs ( DGS is required for students from Turkey).

# Biomedical Equipment Technology

## 1. Year Courses

| | |
|---|---|
| Basic English I | Basic English II |
| Mathematics for Electronic Technician | Electronics I |
| Anatomy and Physiology | Digital Electronics |
| Electrotechnology | Computer Applications |
| Introduction to Computer | Medical Instrumentation |
| Properties of Electronic Material | Medical Communication |

# Biomedical Equipment Technology

## 2. Year Courses

Electronics II

Microprocessors

Medical Instrumentation II

Fault Analysis in Biomedical Systems

Medical Imaging Systems

Occupational Terminology

Summer Practice

Biomedical Signal Processing

Medical Applications

Ataturk's Principles and History of Turkish Revolution

# Biomedical Equipment Technology

**3. Year Courses** (2-years's associate degree students can continue)

- Microprocessor Applications
- Industrial Electronics
- Laser and Medical Applications
- Hospital Organization and Management
- Area Elective

- Medical Training
- Laboratory Support Equipment
- Diagnosis and Tracking Devices

# Biomedical Device Technology

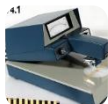| JOB/CAREER OPPORTUNITIES |
|---|

 In public and private hospitals

 In dispensaries

 In laboratories

 In medical equipment companies  or technical service providers

 In the own business

# Construction Technology

Purpose of the program:

To teach the activities in the construction industry by using application techniques in classroom and construction site with the help of today's technology and to educate students especially on worker health and safety.

Program Duration: 2+1 years.

Instruction language is **Turkish**.

It has ASIIN accreditation.

YGS-1 score is required.

OSYM quota varies every year.

Transfer students are accepted.

It is possible to transfer to 4-years Engendering programs ( DGS is required for students from Turkey).

# Construction Technology

## 1. Year Courses

| | |
|---|---|
| Basic English I | Basic English II |
| Map Trigonometry | Computer Applications for Construction |
| Basic Technical Drawing | Topography I |
| Construction materials | Construction Technology I |
| Introduction to Computer | Engineering Drawing I |
| Vocatıonal Orientation | Computer Aided Drawing (CAD) I |

# Construction Technology

## 2. Year Courses

Area Elective

Computer Aided Drawing (CAD) II

Topography II

Construction Technology II

Engineering Drawing II

Architectural Detail Drawing

Summer Training

Area Elective

Computing of Static and Structure

Concrete Technology

Quantities

Constriction Site Technique

Fundamentals and Regulation of Statics and Arch. Projects

Ataturk's Principles and History of Turkish Revolution

# Construction Technology

**3. Year Courses** (2-years's associate degree students can continue)

| | |
|---|---|
| Cost Estimating | Training in Industry |
| Safety in Constriction | Graduation Project |
| Architectural drawings | |
| Construction Management | |
| 3D Computer Aided Drawing | |

# Construction Technology (2years)

## JOB/CAREER OPPORTUNITIES

Quantum discovery and progress payments

Land and building measurement works

Ready-mixed concrete production and quality control works

Asphalt and infrastructure works

Topographic land and building measurement works

Technical drawing works in project offices (AutoCAD etc.)

# Construction Technology (2+1 years)

## JOB/CAREER OPPORTUNITIES

Site technician

Quantity and exploration works

Land and building measurement works

Taking part in ready mixed concrete plants

Asphalt and infrastructure works

Topographic land and building measurement works

Technical drawing works in project offices (AutoCAD etc.)

Model making works

# Mapping and Cadastral Survey

Program Purposes:

to bring up intermediate workforce acting as a bridge between the engineers and the workers in the development and implementation of maps and plans serving as a basis for dams, irrigation, construction, roads, drainage and other similar infrastructure projects.

Program duration: 2+1 years.

Instruction language is **Turkish.**

It has ASIIN accreditation.

YGS-1 score required.

OSYM quota varies every year.

Transfer students are accepted.

It is possible to transfer to 4-years Engendering programs ( DGS is required for students from Turkey).

# Mapping and Cadastral Survey

## 1. Year Courses

Map applications

Topography I

Map Trigonometry

Map Information

Basic Office Applications

Basic English I

Map Drawing I

Topography II

Professional Ethics

Mapping and Cadastral Survey Law

Cartography I

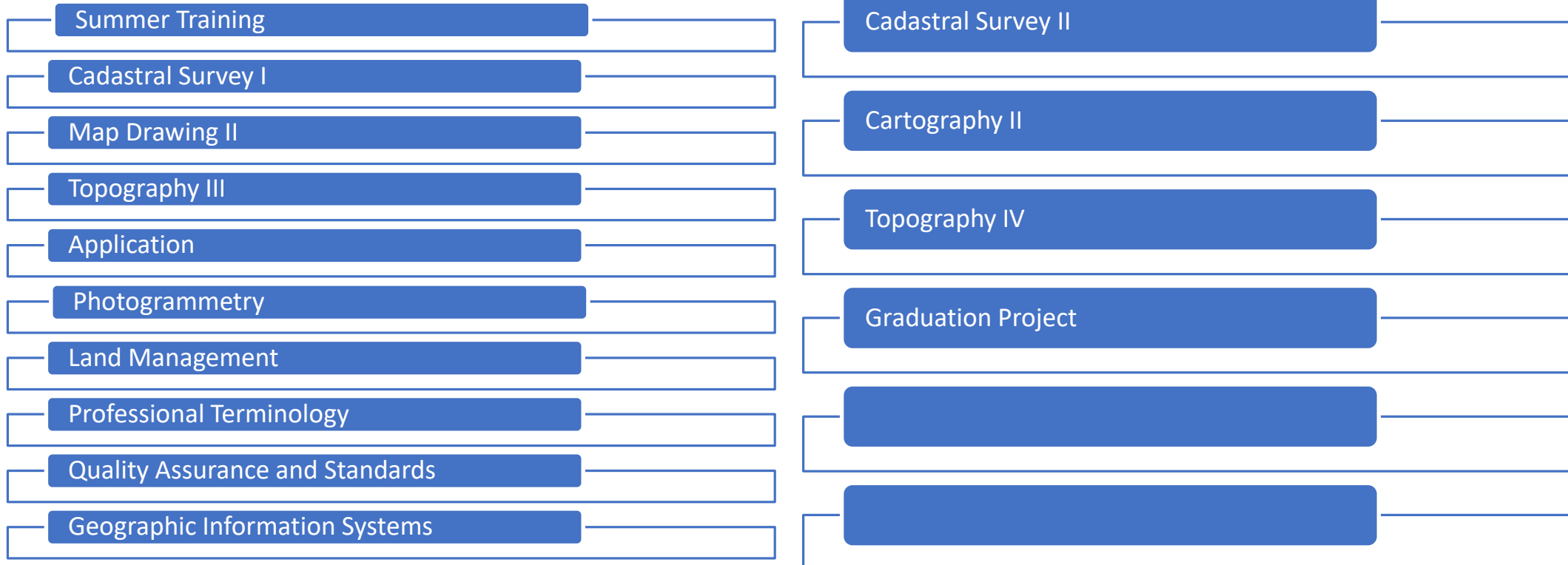Basic English II

Ataturk's Principles and History of Turkish Revolution

# Mapping and Cadastral Survey

## 2. Year Courses

Summer Training

Cadastral Survey I

Map Drawing II

Topography III

Application

Photogrammetry

Land Management

Professional Terminology

Quality Assurance and Standards

Geographic Information Systems

Cadastral Survey II

Cartography II

Topography IV

Graduation Project

# Mapping and Cadastral Survey

**3. Year Courses** (2-years's associate degree students can continue)

| | |
|---|---|
| Highway Information | Mapping Training |
| Application Methods in Land Registry and Cadastre | Topographic Map Design |
| Application of City Planning | Cost Estimation in Cadastre |
| Technic Elective | Computer Aided Mapping |

# Mapping and Cadastral Survey (2+1 Years)

**JOB/CAREER OPPORTUNITIES**

Land Registry and Cadaster Office or related government offices

Municipalities

In the Department of Highways

In Map Circle

In Map offices that measure land

Own Company

In project and engineering services companies

Infrastructure companies

# Accounting and Taxation Applications

Purpose of the program:

To train intermediate staff who have theoretical and applied accounting knowledge, have knowledge of economics, business administration and finance, and can use accounting and business information in the most efficient way in the computer environment.

Program Duration: 2+1 Years.

Instruction Language is **Turkish**.

Equal weight point score type is required.

OSYM quota varies every year.

Transfer students are accepted.

It has FIBAA accreditation.

It is possible to transfer to 4-years Engendering programs ( DGS is required for students from Turkey).

# Accounting and Taxation Applications

**1. Year courses**

Basic English I

Financial Accounting I

Vocational Foreign Language

Computer Applications I

Mathematics

Basic English II

Financial Accounting II

Statistics

Computer Applications II

Introduction to Business

Accounting Applications I

# Accounting and Taxation Applications

## 2. Year courses

| | |
|---|---|
| Area Elective | Area Elective |
| Corporate Accounting | Period-End Accounting Procedures |
| Managing Information | Auditing |
| Taxation | Business Law |
| Computerized Accounting I | Computerized Accounting II |
| Accounting Applications II | Money and Banking |
| Summer Training | Ataturk's Principles and History of Turkish Revolution |

# Accounting and Taxation Applications

**3. Year Courses** **(**2-years's associate degree students can continue**)**

Managerial Accounting

Marketing principles

Financial Reports

K.O.B.İ Management

Business Strategies

Technical Elective

Graduation Project

Term Training

# Accounting and Taxation Applications

**JOB/CAREER OPPORTUNITIES**

In Accounting department of Private Organizations

Shipping Companies

Off-Shore Banks

Commercial Banks

# Medical Documentation and Office Management

Program Purposes:

to graduate intermediate workforce in the administrative services of the health institutions. Students, who graduate from this program compile, organize and present medical scientific findings and documents by using technology effectively, have a good command of medical terminology, possess high level medical clerical skills, will work as managers of health services or support academic and/or health specialists or undertake duties in the human resources department.

Program Duration: 2+1 Years.

Instruction Language is **Turkish**.

Verbal score type required.

OSYM quota varies every year.

Transfer students are accepted.

It has FIBAA accreditation.

It is possible to transfer to 4-years Engendering programs ( DGS is required for students from Turkey).

# Medical Documentation and Office Management

## 1. Year courses

| | |
|---|---|
| English I | Anatomy |
| Medical Documentation-I | Medical Terminology |
| Office Management Techniques- I | Medical Diseases Information-I |
| Introduction to Computer | First Aid |
| Keyboarding I | Business writing |

# Medical Documentation and Office Management

## 2. Year courses

| | |
|---|---|
| English II | Business Writing Technique Application |
| Keyboard Applications | Physiology |
| Health Service Management I | Medical Diseases Information-II |
| Office Management Techniques- II | Basic Matematics |
| Electronic Spread Sheets | |

# Medical Documentation and Office Management

## 3. Year courses

- Professional Discourses
- Medical Documentation Process
- Health Service Management II
- Public Health and Medical Ethics
- Personal Information Management

- Research Techniques
- Introduction to Psychology
- Biostatistics
- Hospital Information Systems
- Ataturk's Principles and History of Turkish Revolution

# Medical Documentation and Office Management

## 4. Year courses

**Occupational Training**

After completing the first and second year courses, doing an internship in hospitals is compulsory.

Hospital Training will held in:

Gazimağusa State(Public) Hospital or

Lefkoşa Burhan Nalbantoğlu State Hospital or

other public and contracted private hospitals.

# Medical Documentation and Office Management

**3. Year Courses** (2-years's associate degree students can continue)

Human Resource

Business Law

Industrial Psychology

Verbal English for Business

Developing Communication Skills

Training

# Medical Documentation and Office Management

## WORKING PLACES

All department of public hospitals

All department of private hospitals

Private clinics

Emergency Service

Imaging and Diagnosis centers

Laboratories

In Government Departments, Educational Institutions and Private Companies;

Office manager

Executive secretary

Manager assistant

Protocol officer

Human resources officer

# Contact Information

| | |
|---|---|
| **Address:** | **Eastern Mediterranean University School of Computing and Technology Famagusta, North Cyprus via Mersin 10, Turkey** |
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