



**Specialized Courses in the Credit Hour System for the Bachelor's  
Degree.  
(Educational Technology Program)**

Internal Regulations of the Faculty of Specific Education, Benha University,  
Credit Hour System.

## Specialized Courses in the Credit Hour System for the Bachelor's Degree. (Educational Technology Program)

First: Mandatory Specialized Courses.

Freshman

<b>First Semester (Autumn)</b>												
Prerequisite	The exam time		The final Exam Grades			The Semester activity grades	The weekly hours Number			Course name	Course code	Series
	Practical	Theoretical	The total	Theoretical	Practical		Credit hours	Practical	Theoretical			
	-	2	100	80	-	20	2	-	2	introduction to Educational Sciences	210711	1
	-	2	100	80	-	20	2	-	2	Curricula and Their Organizing	210712	2
	-	2	100	80	-	20	2	-	2	Social Issues	21091	3
	2	2	100	60	20	20	2	2	1	Production of Educational Graphics	210411	4
	2	2	100	60	20	20	2	2	1	Introduction to Computers	210412	5
	2	2	100	60	20	20	2	2	1	Printing, Copying, and Binding	210413	6
	2	2	100	60	20	20	2	2	1	Introduction to Programming	210414	7
	2	2	100	60	20	20	2	2	1	Educational Projection Devices	210415	8
* The student chooses one course from the elective specialized courses.												
<b>Second Semester (Spring)</b>												
Prerequisite	The exam time		The final Exam Grades			The Semester activity grades	The weekly hours Number			Course name	Course code	Series
	Practical	Theoretical	The total	Theoretical	Practical		Credit hours	Practical	Theoretical			
	-	2	100	80	-	20	2	-	2	Introduction to Psychological Sciences	210713	1
	-	2	100	80	-	20	2	-	2	General teaching methods	210714	2
	2	2	100	60	20	20	2	2	1	Production of Photographs	210416	3
	2	2	100	60	20	20	2	2	1	Broadcasting and Audio Recordings	210417	4
Introduction to Programming	2	2	100	60	20	20	2	2	1	Programming (1)	210418	5
	-	2	100	80	-	20	2	-	2	Introduction to E-learning	210419	6
Educational Projection Devices	-	2	100	80	-	20	2	-	2	Introduction to Learning Resource Centers	2104110	7
* The student chooses two courses from the elective specialized courses.												
* The student chooses one course from the university and cultural requirement courses..												

## Sophomore

<b>First Semester (Autumn)</b>												
Prerequisite	The exam time		The final Exam Grades			The Semester activity grades	The weekly hours Number			Course name	Course code	Series
	Practical	Theoretical	The total	Theoretical	Practical		Credit hours	Practical	Theoretical			
	2	2	100	60	20	20	2	2	1	developmental psychology	210725	1
Introduction to Educational Sciences	-	2	100	80	-	20	2	-	2	History of education and the instruction system in Egypt	210726	2
General teaching methods	2	2	100	60	20	20	2	2	1	Micro-teaching (specialization)	210727	3
Introduction to computers	2	2	100	60	20	20	2	2	1	Computer (Windows)	210421	4
	2	2	100	60	20	20	2	2	1	Production and Processing of Images and Digital Graphics	210422	5
Programming (1)	2	2	100	60	20	20	2	2	1	Programming (2)	210423	6
Introduction to E-learning	2	2	100	60	20	20	2	2	1	Web design	210424	7
	2	2	100	60	20	20	2	2	1	Educational situations Designing	210425	8
* The student chooses one course from the elective specialized courses.												
<b>Second Semester (Spring)</b>												
Prerequisite	The exam time		The final Exam Grades			The Semester activity grades	The weekly hours Number			Course name	Course code	Series
	Practical	Theoretical	The total	Theoretical	Practical		Credit hours	Practical	Theoretical			
	-	2	100	80	-	20	2	-	2	Psychology of Special Needs	210728	1
Introduction to Psychological Sciences	2	2	100	60	20	20	2	2	1	Educational Psychology (Learning Theories)	210729	2
	-	2	100	80	-	20	2	-	2	Entrepreneurship and projects	21092	3
Computer (Windows)	2	2	100	60	20	20	2	2	1	Computer networks	210426	4
	-	2	100	80	-	20	2	-	2	Instructional design	210427	5
Computer (Windows)	-	2	100	80	-	20	2	-	2	Computer and Data Security	210428	6
Production and processing of Images and Digital Graphics	2	2	100	60	20	20	2	2	1	Multimedia (Design & Production)	210429	7
* The student chooses one course from the elective specialized courses.												

## Junior - Educational Technology Specialist

First Semester (Autumn)												
Prerequisite	The exam time		The final Exam Grades			The Semester activity grades	The weekly hours Number			Course name	Course code	Series
	Practical	Theoretical	The total	Theoretical	Practical		Credit hours	Practical	Theoretical			
	2	2	100	60	20	20	2	2	1	Education Technology	2107310	1
General teaching methods	2	2	100	60	20	20	2	2	1	Teaching methods and strategies in the specialization	2107311	2
	-	2	100	80	-	20	2	-	2	Social and cultural foundations of education	2107312	3
	2	2	100	60	20	20	2	2	1	Design of Electronic Courses	210431T	4
Multimedia (Design & Production)	2	2	100	60	20	20	2	2	1	Design and Development of Digital Video	210432T	5
	2	2	100	60	20	20	2	2	1	Design and Production of Instructional Software	210433T	6
Introduction to E-learning	2	2	100	60	20	20	2	2	1	E-learning management systems	210434T	7
	-	-	100	According to the field training regulations			2	6	-	Field Training (1) (External)	210435T	8
The student chooses one course from the elective specialized courses *												
The student chooses one course from the university and cultural requirements courses*												
Second Semester (Spring)												
Prerequisite	The exam time		The final Exam Grades			The Semester activity grades	The weekly hours Number			Course name	Course code	Series
	Practical	Theoretical	The total	Theoretical	Practical		Credit hours	Practical	Theoretical			
	-	2	100	80	-	20	2	-	2	Philosophical foundations of education	2107313	1
developmental psychology	-	2	100	80	-	20	2	-	2	Mental health and psychological counseling	2107314	2
	-	2	100	80	-	20	2	-	2	Arabic language and literature	21093	3
	2	2	100	60	20	20	2	2	1	Virtual Museums	210436T	4
	2	2	100	60	20	20	2	2	1	Statistical software packages	210437T	5
Introduction to e-learning	2	2	100	60	20	20	2	2	1	E-learning environments	210438T	6
Field Training (1) (External)	-	-	100	According to the field training regulations			2	6	-	Field Training (2) (External)	210439T	7
* The student chooses two courses the elective specialized courses												

## Senior - Educational Technology

<b>First Semester (Autumn)</b>												
Prerequisite	The exam time		The final Exam Grades			The Semester activity grades	The weekly hours Number			Course name	Course code	Series
	Practical	Theoretical	The total	Theoretical	Practical		Credit hours	Practical	Theoretical			
	-	2	100	80	-	20	2	-	2	Comparative Education and Instructional Administration	2107415	1
Educational Psychology (Learning Theories)	2	2	100	60	20	20	2	2	1	Educational Psychology (Cognitive Abilities)	2107416	2
	-	2	100	-	80	20	2	-	2	English language	21094	3
	2	2	100	60	20	20	2	2	1	Maintenance of Educational Equipment	210441T	4
	2	2	100	60	20	20	2	2	1	Designing Electronic Assessments.	210442T	5
	2	2	100	60	20	20	2	2	1	Knowledge Banks and Digital Libraries	210443T	6
	2	2	100	60	20	20	2	2	1	Design and Development of 3D Environments	210444T	7
Field Training (2) (External)	-	-	100	According to the field training regulations			2	6		Field Training (3) (External)	210445T	8
* The student chooses one course from the specialized elective courses.												
<b>Second Semester (Spring)</b>												
Prerequisite	The exam time		The final Exam Grades			The Semester activity grades	The weekly hours Number			Course name	Course code	Series
	Practical	Theoretical	The total	Theoretical	Practical		Credit hours	Practical	Theoretical			
Curricula and their regulations	-	2	100	80	-	20	2	-	2	Curriculum Planning, Development and Evaluation	2107417	1
	2	2	100	60	20	20	2	2	1	Quality and its Applications in Educational Institutions	2107418	2
	2	2	100	60	20	20	2	2	1	Techniques of Textbook Production	210446T	3
	2	2	100	60	20	20	2	2	1	Intelligent and Adaptive Learning Systems	210447T	4
Production and processing of digital images and graphics	2	2	100	60	20	20	2	2	1	Design and Development of 3D Animation	210448T	5
Field Training (3) (External)	-	-	100	According to the field training regulations			2	6		Field Training (4) (External)	210449T	6
	-	-	100	-	60	40	2	4	-	The project	2104410T	7
* The student chooses a course from the specialized elective courses.												
*The student chooses one course from the university and cultural requirements courses.												

## Junior - Computer Teacher

<b>First Semester (Autumn)</b>												
Prerequisite	The exam time		The final Exam Grades			The Semester activity grades	The weekly hours Number			Course name	Course code	Series
	Practical	Theoretical	The total	Theoretical	Practical		Credit hours	Practical	Theoretical			
	2	2	100	60	20	20	2	2	1	Education Technology	2107310	1
General teaching methods	2	2	100	60	20	20	2	2	1	Teaching methods and strategies in the specialization	2107311	2
	-	2	100	80	-	20	2	-	2	Social and cultural foundations of education	2107312	3
Multimedia (Design & Production)	2	2	100	60	20	20	2	2	1	Design and Development of Digital Video	210431C	4
Introduction to e-learning	2	2	100	60	20	20	2	2	1	Design of Electronic Courses	210432C	5
	2	2	100	60	20	20	2	2	1	Databases and Digital Knowledge Banks	210433C	6
	2	2	100	60	20	20	2	2	1	Network Maintenance	210434C	7
	-	-	100	According to the field training regulations			2	6		Field Training (1)(External)	210435C	8
* The student chooses one course from the specialized elective courses.												
*The student chooses one course from the university and cultural requirements courses.												
<b>Second Semester (Spring)</b>												
Prerequisite	The exam time		The final Exam Grades			The Semester activity grades	The weekly hours Number			Course name	Course code	Series
	Practical	Theoretical	The total	Theoretical	Practical		Credit hours	Practical	Theoretical			
	-	2	100	80	-	20	2	-	2	Philosophical Foundations of Education	2107313	1
developmental psychology	-	2	100	80	-	20	2	-	2	Mental Health and Psychological Counseling	2107314	2
	-	2	100	80	-	20	2	-	2	Arabic language and literature	21093	3
	2	2	100	60	20	20	2	2	1	Design of Educational Websites	210436C	4
	2	2	100	60	20	20	2	2	1	Statistical Software Packages	210437C	5
Introduction to e-learning	2	2	100	60	20	20	2	2	1	E-Learning Environments	210438C	6
Field Training (1)(External)	-	-	100	According to the field training regulations			2	6		Field Training (2) (External)	210439C	7
*The student chooses two courses from the specialized elective courses.												
*The student chooses one course from the university and cultural requirements courses.												

## Senior - Computer Teacher

<b>First Semester (Autumn)</b>												
Prerequisite	The exam time		The final Exam Grades			The Semester activity grades	The weekly hours Number			Course name	Course code	Series
	Practical	Theoretical	The total	Theoretical	Practical		Credit hours	Practical	Theoretical			
	-	2	100	80	-	20	2	-	2	Comparative Education and Educational Administration	2107415	1
Educational Psychology (Learning Theories)	2	2	100	60	20	20	2	2	1	Educational Psychology (Mental Abilities)	2107416	2
	-	2	100	-	80	20	2	-	2	English language	21094	3
	2	2	100	60	20	20	2	2	1	Design and Development of 3D Images	210441C	4
	2	2	100	60	20	20	2	2	1	Designing Electronic Assessments.	210442C	5
	2	2	100	60	20	20	2	2	1	Knowledge Banks and Digital Libraries	210443C	6
	2	2	100	60	20	20	2	2	1	Web-Based Learning Programming Systems	210444C	7
Field Training (2) (External)	-	-	100	According to the field training regulations			2	6	-	Field Training (3) (External)	210445C	8
.The student chooses one course from the specialized elective courses *												
<b>Second Semester (Spring)</b>												
Prerequisite	The exam time		The final Exam Grades			The Semester activity grades	The weekly hours Number			Course name	Course code	Series
	Practical	Theoretical	The total	Theoretical	Practical		Credit hours	Practical	Theoretical			
Curricula and their regulations	-	2	100	80	-	20	2	-	2	Curriculum Planning, Development and Evaluation	2107417	1
	2	2	100	60	20	20	2	2	1	Quality and its Applications in Educational Institutions	2107418	2
	-	-	100	-	60	40	2	4	-	The project	210446C	3
	2	2	100	60	20	20	2	2	1	Intelligent and Adaptive Learning Systems	210447C	4
Introduction to e-learning	2	2	100	60	20	20	2	2	1	E-courses (design and production)	210448C	5
Field Training (3) (External)	-	-	100	According to the field training regulations			2	6	-	Field Training (4) (External)	210449C	6
*The student chooses two courses from the specialized elective courses.												

**Second: The specialized elective courses.**

<b>Elective Courses for Freshman</b>												
Prerequisite	The exam time		The final Exam Grades			The Semester activity grades	The weekly hours Number			Course name	Course code	Series
	Practical	Theoretical	The total	Theoretical	Practical		Credit hours	Practical	Theoretical			
	2	2	100	60	20	20	2	2	1	Educational Museums and Exhibitions	2104111	1
	--	2	100	80	-	20	2	-	2	Digital Citizenship	2104112	2
	2	2	100	60	20	20	2	2	1	Introduction to Operating Systems	2104113	3
	2	2	100	60	20	20	2	2	1	Technical Processes of Learning Resources	2104114	4
	2	2	100	60	20	20	2	2	1	Educational Technology Innovations	2104115	5
	2	2	100	60	20	20	2	2	1	Economics of Educational Technology	2104116	6
<b>Elective Courses for Sophomore</b>												
Prerequisite	The exam time		The final Exam Grades			The Semester activity grades	The weekly hours Number			Course name	Course code	Series
	Practical	Theoretical	The total	Theoretical	Practical		Credit hours	Practical	Theoretical			
	2	2	100	60	20	20	2	2	1	Office Software Packages	2104210	1
	2	2	100	60	20	20	2	2	1	Educational presentation applications	2104211	2
	-	2	100	80	-	20	2	-	2	Cloud Computing	2104212	3
	2	2	100	60	20	20	2	2	1	Spreadsheet Applications	2104213	4
	2	2	100	60	20	20	2	2	1	Computer maintenance	2104214	5
	2	2	100	60	20	20	2	2	1	Video Production Software	2104215	6
	2	2	100	60	20	20	2	2	1	Interaction Interface Design	2104216	7
<b>Junior Elective Courses Educational Technology Specialist</b>												
Prerequisite	The exam time		The final Exam Grades			The Semester activity grades	The weekly hours Number			Course name	Course code	Series
	Practical	Theoretical	The total	Theoretical	Practical		Credit hours	Practical	Theoretical			
	2	2	100	60	20	20	2	2	1	Education and E-learning Management Systems	2104310T	1
	2	2	100	60	20	20	2	2	1	Internet Applications in Education	2104311T	2
	2	2	100	60	20	20	2	2	1	Individualized Education	2104312T	3
	2	2	100	60	20	20	2	2	1	Educational Technology for the Special Needs	2104313T	4
	2	2	100	60	20	20	2	2	1	Subject cataloging for Knowledge Resources	2104314T	5
	2	2	100	60	20	20	2	2	1	multimedia and hypermedia technology	2104315T	6
	2	2	100	60	20	20	2	2	1	Computer applications in Educational Administration	2104316T	7
	2	2	100	60	20	20	2	2	1	Educational platforms	2104317T	8



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	2	2	100	60	20	20	2	2	1	Web programming	2104318T	9
<b>Elective Courses for Senior Educational Technology Specialist</b>												
Prerequisite	The exam time		The final Exam Grades			The Semester activity grades	The weekly hours Number			Course name	Course code	Series
	Practical	Theoretical	The total	Theoretical	Practical		Credit hours	Practical	Theoretical			
	2	2	100	60	20	20	2	2	1	Design and Development of 3D animation	2104411T	1
	2	2	100	60	20	20	2	2	1	Educational mobile application programming	2104412T	2
	2	2	100	60	20	20	2	2	1	Simulation, modeling and educational games	2104413T	3
	2	2	100	60	20	20	2	2	1	Blended learning	2104414T	4
	2	2	100	60	20	20	2	2	1	Educational electronic games	2104415T	5
	2	2	100	60	20	20	2	2	1	Virtual Classrooms	2104416T	6
	2	2	100	60	20	20	2	2	1	Digital Information Systems	2104417T	7
<b>Elective courses for junior of computer teacher</b>												
Prerequisite	The exam time		The final Exam Grades			The Semester activity grades	The weekly hours Number			Course name	Course code	Series
	Practical	Theoretical	The total	Theoretical	Practical		Credit hours	Practical	Theoretical			
	2	2	100	60	20	20	2	2	1	Electronic Books	2104310C	1
	2	2	100	60	20	20	2	2	1	Multimedia software design	2104311C	2
	2	2	100	60	20	20	2	2	1	Designing learning environments	2104312C	3
	2	2	100	60	20	20	2	2	1	Virtual Museums	2104313C	4
	2	2	100	60	20	20	2	2	1	Software Testing and Quality Assurance	2104314C	5
	2	2	100	60	20	20	2	2	1	Digital Content Authoring Tools	2104315C	6
	2	2	100	60	20	20	2	2	1	Educational website design (2)	2104316C	7
	2	2	100	60	20	20	2	2	1	Systems Analysis and Design	2104317C	8
	2	2	100	60	20	20	2	2	1	E-learning management systems	2104318C	9
<b>Elective courses for senior of Computer Teacher</b>												
Prerequisite	The exam time		The final Exam Grades			The Semester activity grades	The weekly hours Number			Course name	Course code	Series
	Practical	Theoretical	The total	Theoretical	Practical		Credit hours	Practical	Theoretical			
	2	2	100	60	20	20	2	2	1	Designing, Implementing, and Managing Educational Technology Projects	2104410C	1
	2	2	100	60	20	20	2	2	1	Network programming	2104411C	2
	2	2	100	60	20	20	2	2	1	Database programming	2104412C	3
	2	2	100	60	20	20	2	2	1	Computer programs for special needs	2104413C	4
	2	2	100	60	20	20	2	2	1	Smart and expert learning systems	2104414C	5

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	2	2	100	60	20	20	2	2	1	Design and development of educational games	2104415C	6
	2	2	100	60	20	20	2	2	1	Design and Development of 3D Animation	2104416C	7
	2	2	100	60	20	20	2	2	1	Intelligent Educational Assessments	2104417C	8
	2	2	100	60	20	20	2	2	1	3D Learning Environments	2104418C	9

**The number of elective specialization courses (24 courses) totaling 48 credit hours - the student selects a number of courses equivalent to 24 credit hours.**