

PEOPLE'S DEMOCRATIC REPUBLIC OF ALGERIA  
MINISTRY OF HIGHER EDUCATION AND SCIENTIFIC RESEARCH



**University of Batna 1**

Vice-Rectorate in charge of Higher education of First and Second Cycles, Continuing Education,  
Diplomas and Higher Graduate Education

# FACT SHEETS

## Bachelor's degrees

**Domain 14: AUUJ (Architecture, Urban planning, and Urban jobs)**

<b>Pathways</b>	<b>Specialisms</b>
1. Architecture	Architecture
2. Urban jobs	Operational Project Management
3. Management of Urban Techniques	Management of Urban Techniques

# **Professional bachelor's degree in Operational Project Management**

## **A. Identification:**

This program is aimed at new professional profiles in the coordination and management of architectural and urban projects, specifically project managers. These professionals do not have direct technical functions and do not compete with other professionals.

Operational Project Management is a crucial phase in project management training, although its scope is limited by the level of knowledge and duration of the training, which primarily focuses on construction projects and their operational management. Graduates in operational project management must possess the ability to analyze and master internal tensions, identify sources of competitive advantage, and understand project stakes and challenges. Spanning three years, this professional bachelor's degree equips graduates with the necessary skills to enter the job market fully engaged and immersed in the field of construction project implementation, while applying the knowledge acquired during the course.

The degree program specifically targets the professional profile of a project manager. Project managers are responsible for coordinating and managing work teams, as well as planning, coordinating, and controlling activities.

Access to this program (Bachelor's degree: bac+3) is reserved for students who meet the entry requirements outlined in the circular issued by the Ministry of Higher Education and Scientific Research each year. The circular pertains to pre-registration and orientation of baccalaureate holders.

## **B. Targeted skills:**

### **A. Mastery of:**

- Coordinating work teams
- Action planning
- Work control and monitoring tasks
- Leadership
- Decision-making support: planning cells
- Risk management
- Deadline management, etc.

### **B. Possess:**

- Communication skills
- Negotiation skills
- The ability to anticipate and forecast events

### **C. Target professions:**

- Consultant in audit and consulting firms
- Planner
- Project manager
- Project leader
- Project coordinator
- Construction manager
- Quality manager
- Project owner and project management assistant
- Construction sales technician
- Project and quality controller
- Site/operating unit manager
- Property developer
- Construction coordinator
- Contractor

**C. SEMESTER ORGANIZATION OF COURSES:**

<b>First year of the Professional Bachelor's degree</b>									
<b>First semester</b>									
Teaching Units	Semester hours	Weekly hours				Coef.	Credits	Assessment mode	
	15 weeks	Courses	Tutorial	Practical	Studio			Continuous	Exam
<b>Basic Teaching Units</b>						<b>10</b>	<b>18</b>		
<b>BTU1 (O/P)</b>									
1. Mathematics	45h00	1h30	1h30			3	5	40 %	60 %
2. Physics	45h00	1h30	1h30			3	5	50 %	50 %
3. Project Studio 1	90h00				6h00	4	8	100 %	
<b>Methodological Teaching Units</b>						<b>5</b>	<b>9</b>		
<b>MTU1 (O/P)</b>									
1. Architectural History 1	45h00	1h30	1h30			2	4	50 %	50 %
2. Information technology 1	45h00			3h00		2	3	50 %	50 %
3. Descriptive geometry 1	22h30		1h30			1	2	40 %	60 %
<b>Cross-disciplinary Teaching Units</b>						<b>3</b>	<b>3</b>		
<b>CTU1 (O/P)</b>									
1. Construction materials	22h30	1h30				1	1		100 %
2. Management	22h30	1h30				1	1		100 %
3. Foreign language 1	22h30	1h30				1	1		100 %
<b>Semester total</b>	<b>382h30</b>	<b>10h30</b>	<b>6h00</b>	<b>3h00</b>	<b>6h00</b>	<b>18</b>	<b>30</b>		

## First year of the Professional Bachelor's degree

### Second semester

Teaching Units	Semester hours	Weekly hours				Coef.	Credits	Assessment mode	
	15 weeks	Courses	Tutorial	Practical	Studio			Continuous	Exam
<b>Basic Teaching Units</b>						<b>10</b>	<b>18</b>		
<b>BTU2 (O/P)</b>									
1. Planning theory	45h00	1h30	1h30			3	5	50 %	50 %
2. Building physics	45h00	1h30	1h30			3	5	50 %	50 %
3. Project Theory 2	90h00				6h00	4	8	100 %	
<b>Methodological Teaching Units</b>						<b>5</b>	<b>9</b>		
<b>MTU2 (O/P)</b>									
1. Architectural History 2	45h00	1h30	1h30			2	3	50 %	50 %
2. Statistics 1	45h00			3h00		2	3	50 %	50 %
3. Descriptive geometry 2	22h30	1h30	1h30			1	2	40 %	60 %
<b>Cross-disciplinary Teaching Units</b>						<b>3</b>	<b>3</b>		
<b>CTU2 (O/P)</b>									
1. Site equipment	22h30	1h30				1	1		100 %
2. Sociology	22h30	1h30				1	1		100 %
3. Foreign language 2	22h30	1h30				1	1		100 %
<b>Semester total</b>	<b>382h30</b>	<b>10h30</b>	<b>6h00</b>	<b>3h00</b>	<b>6h00</b>	<b>18</b>	<b>30</b>		

## Second year of the Professional Bachelor's degree

### Third semester

Teaching Units	Semester hours	Weekly hours				Coef.	Credits	Assessment mode	
	15 weeks	Courses	Tutorial	Practical	Studio			Continuous	Exam
<b>Basic Teaching Units</b>						<b>10</b>	<b>18</b>		
<b>BTU3 (O/P)</b>									
1. Planning 1	45h00	1h30	1h30			3	5	50 %	50 %
2. Construction 1	45h00	1h30	1h30			3	5	50 %	50 %
3. Project studio 3	90h00				6h00	4	8	100 %	
<b>Methodological Teaching Units</b>						<b>5</b>	<b>9</b>		
<b>MTU3 (O/P)</b>									
1. Building services 1	45h00	1h30	1h30			2	3	50 %	50 %
2. Computer-aided design (CAD)	45h00			3h00		2	3	50 %	50 %
3. Statistics 2	22h30	1h30	1h30			1	3	50 %	50 %
<b>Cross-disciplinary Teaching Units</b>						<b>3</b>	<b>3</b>		
<b>CTU3 (O/P)</b>									
1. Economy 1	22h30	1h30				1	1		100 %
2. Sociology of communication	22h30	1h30				1	1		100 %
3. Foreign language 3	22h30	1h30				1	1		100 %
<b>Semester total</b>	<b>382h30</b>	<b>10h30</b>	<b>6h00</b>	<b>3h00</b>	<b>6h00</b>	<b>18</b>	<b>30</b>		

## Second year of the Professional Bachelor's degree

### Fourth semester

Teaching Units	Semester hours	Weekly hours				Coef.	Credits	Assessment mode	
	15 weeks	Courses	Tutorial	Practical	Studio			Continuous	Exam
<b>Basic Teaching Units</b>						<b>10</b>	<b>18</b>		
<b>BTU4 (O/P)</b>									
1. Planning 1	45h00	1h30	1h30			3	5	50 %	50 %
2. Construction 1	45h00	1h30	1h30			3	5	50 %	50 %
3. Project studio 3	90h00				6h00	4	8	100 %	
<b>Methodological Teaching Units</b>						<b>5</b>	<b>9</b>		
<b>MTU4 (O/P)</b>									
1. Materials resistance	45h00	1h30	1h30			2	3	50 %	50 %
2. Construction site components	45h00	1h30	1h30			2	3	50 %	50 %
3. Metering and quantification	45h00	1h30	1h30			1	3	50 %	50 %
<b>Cross-disciplinary Teaching Units</b>						<b>3</b>	<b>3</b>		
<b>CTU4 (O/P)</b>									
1. Economy 2	22h30	1h30				1	1		100 %
2. Sociology of corporations	22h30	1h30				1	1		100 %
3. Foreign language 4	22h30	1h30				1	1		100 %
<b>Semester total</b>	<b>382h30</b>	<b>12h00</b>	<b>7h30</b>		<b>6h00</b>	<b>18</b>	<b>30</b>		



## Third year of the Professional Bachelor's degree

### Fifth semester

Teaching Units	Semester hours	Weekly hours				Coef.	Credits	Assessment mode	
	15 weeks	Courses	Tutorial	Practical	Studio			Continuous	Exam
<b>Basic Teaching Units</b>						<b>10</b>	<b>18</b>		
<b>BTU5 (O/P)</b>									
1. Scheduling and deadline management	45h00	1h30	1h30			3	5	50 %	50 %
2. Quality tools	45h00	1h30	1h30			3	5	50 %	50 %
3. Project Studio 5	90h00				6h00	4	8	100 %	
<b>Methodological Teaching Units</b>						<b>5</b>	<b>9</b>		
<b>MTU5 (O/P)</b>									
1. Topography	45h00	1h30	1h30			2	3	50 %	50 %
2. Site organization	45h00	1h30	1h30			2	3	50 %	50 %
3. Management 1	45h00	1h30	1h30			1	3	50 %	50 %
<b>Cross-disciplinary Teaching Units</b>						<b>3</b>	<b>3</b>		
<b>CTU5 (O/P)</b>									
1. ICT in urban and architectural design	22h30	1h30				1	1		100 %
2. Introduction to documentary research and thesis writing	22h30	1h30				1	1		100 %
3. Foreign language 5	22h30	1h30				1	1		100 %
<b>Semester total</b>	<b>382h30</b>	<b>12h00</b>	<b>7h30</b>		<b>6h00</b>	<b>18</b>	<b>30</b>		

## Third year of the Professional Bachelor's degree

### Sixth semester

Teaching Units	Semester hours	Weekly hours				Coef.	Credits	Assessment mode	
	15 weeks	Courses	Tutorial	Practical	Studio			Continuous	Exam
<b>Basic Teaching Units</b>						<b>10</b>	<b>18</b>		
<b>BTU6 (O/P)</b>									
1. Corporate economics	45h00	1h30	1h30			3	5	50 %	50 %
2. Risk management	45h00	1h30	1h30			3	5	50 %	50 %
3. Thesis and final project	90h00				6h00	4	8	100 %	
<b>Methodological Teaching Units</b>						<b>5</b>	<b>9</b>		
<b>MTU6 (O/P)</b>									
1. Project simulation	45h00			3h00		2	3	40 %	60 %
2. Training	21 days				4h30	2	3	100 %	
3. Management 2	45h00	1h30	1h30			1	3	40 %	60 %
<b>Cross-disciplinary Teaching Units</b>						<b>3</b>	<b>3</b>		
<b>CTU6 (O/P)</b>									
1. Legislation	22h30	1h30				2	2		100 %
2. Foreign language 6	22h30	1h30				1	1		100 %
<b>Semester total</b>	<b>382h30</b>	<b>7h30</b>	<b>4h30</b>	<b>3h00</b>	<b>10h30</b>	<b>18</b>	<b>30</b>		