



Field: ARCHITECTURE, URBAN PLANNING AND CITY SKILLS (AMUV) Filière :
 MANAGEMENT OF URBAN TECHNIQUES (GTU)
 Spécialité: CITY MANAGEMENT (GV)



Access
 condition:
 Holder of a
 licences degree
 in the GTU sector

University of Salah BOUBNIDER-Constantine 3
 INSTITUTE of MANAGEMENT of URBAN TECHNIQUES

Training Academic Master in City Management

Content of the Masters in City Management training

City management option

Master 1 : semester 1

Workshop 1 : City projects 1 : diagnostics, Strategic planning, Urban resources ,
 City policy, Applied geomatics 1, Initiation to research 1, Seminar, Environnemental
 management , Language1 : General terminology.

Master 1 : semester 2

Workshop 2 : City projects 2 : action plans, Urban Resource management,
 Urbaines dynamiques , Management of public services, Applied geomatics 2
 Initiation to research 2, Internship and / or outings, Project management, Language 2 :
 expression and communication techniques

Master 2 : semester 3

Workshop 3 : feasibility and impact studies: review and evaluation, heritage t
 management, Management of public space,, Cities and NICT, Risks management
 Urban engineering, Mobility and transport, Urban ergonomics

Master 2 : semester 4

End of study thesis (EST), Project Graduation (PG)

Training aims :

Train executives mastering the methods and techniques of space sciences to correct and
 predict the problems induced by urban development.

Business areas :

- Local territorial authorities
- Technical town planning services of the APCs
- Real estate promotion and management office
- National Agency for Regional Planning
- Ministerial departments and wilaya directorates (housing and town planning, tourism, hydraulics, public facilities, transport and the environment)
- Water and sanitation companies

IGTV - Constantine Tel: 031785101
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University of Salah BOUBNIDER-Constantine 3
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Training Academic Master in **URBAN ENGINEERING**

Insured options:

- 1- Urban Risks and Resilience
- 2- Transport and Urban Mobility
- 3- Urban Techniques and Eco-management

Content of the **URBAN ENGINEERING** Master course **Urban Risks and Resilience Option**

Master 1 : semester 1

Workshop1 : analysis of urban risks, hazards and challenges ; Dynamique Geomorphology; Risk analysis tools, Hydrology; Urban Geology, Initiation to research 1, Applied geomatics 1, Strategy, legislation and standardization, Language1: General terminology

Master 1 : semester 2

Workshop 2 : development of a natural risk prevention plan (DNRP), Risk of ground movement, Hydrology and risk of flooding, Urbanisme and resilient cities, Initiation to research 2, Applied geomatics 2, Project management, Language 2 : terminology of urban techniques

Master 2 : semester 3

Workshop 3 : development of a natural risk prevention plan (DNRP), Seismic risk, Technological risk, Climatology, Roles of urban actors in management of major risks, Urban economy, Open seminar, Finances and tax system

Master 2 : semester 4

End of study thesis, roject, field internship

Content of the **URBAN ENGINEERING** Master course **Transport and Urban Mobility Option**

Master 1 : semester 1

Workshop 1: Diagnosis of urban traffic spaces, Urban planning and urban traffic system, Urban Mobility, Urban planning and transport, Urban transports, Initiation to recherche 1, Applied geomatics 1, Strategy, legislation and standardization, Language 1 : General terminology

Master 1 : semester 2

Workshop 2 : Development of circulation and transport spaces, Equipements and urban road infrastructure, Sustainable transportation, Impacts of Transport and traffic on the urban environment, initiation to recherche 2, Applied geomatics 2, Project management , Language 2 : terminology of urban techniques

Master 2 : semester 3

Workshop 3: Transport and traffic plan(TTP) ; Urban road safety, methodes and urban transport and mobility analysis tools, Transport et land use, Transport and Traffic Engineering, Urban economy, Open Seminar, Finance and Tax system.

Master 2 : semester 4

End of study thesis (EST), Project Graduation (PG)

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MASTER IN URBAN ENGINEERING

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 Specialty: CITY MANAGEMENT (GV)

MASTER IN URBAN ENGINEERING



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Content of the URBAN ENGINEERING Master course Urban Techniques and Eco-management option

Master 1 : semester 1

Workshop 1 : Eco urban design, Urban ecology and sustainable development 1,
 Techniques and sustainable management of stormwater, Energy management,
 Climatic changes, Initiation to recherche 1, Applied geomatics 1,
 Strategy, Legislation and standardization, Language 1 : General terminology

Master 1 : semester 2

Workshop 2 : sustainable projects, urban ecology and sustainable development 2,
 Sustainable building, Networks, transport and mobility, Initiation to recherche 2, Applied
 geomatics 2, Project Management , Language 2 : terminology of urban techniques

Master 2 : semester 3

Workshop 3 : urban improvement and sustainability, renewable energies,
 Environnemental evaluation et étude d'impact des projets sur l'environnement,
 Urban solid waste management techniques, Sustainable urban vegetation, Urban,
 Économy, Open séminart, Finances and Tax system.

Master 2 : semester 4

End of study thesis (EST), Project Graduation (PG)

Training aims :

Train executives mastering the methods and techniques of space sciences to correct and predict the problems induced by urban development.

Business areas :

- Local territorial authorities
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NEW PROFESSIONALIZING MASTER SUSTAINABLE WASTE MANAGEMENT IN URBAN AREAS G2DMU

Master presentation sheet

Partners

giz Gesellschaft
für Internationale
Zusammenarbeit (GIZ) GmbH



Universität
Rostock  Traditio et Innovatio

anò 
الوكالة الوطنية للنفايات
AGENCE NATIONALE DES DÉCHETS

Department of the environment :
Sétif, Khenchla, Mila, Jijel,
Skikda, Constantine, Médéa
and Tizi Ouzou (in progress)
CET: Sétif (Ecosect)

Skikda, Constantine;

BET: Sétif (environmental
studies and industrial risks
firm)

Local communities; APC
el Khroub,

This master is part of a general theme, that of environmental protection, management and improvement of the living environment which is becoming an important issue of concern to today's societies. Algeria considers waste management to be one of the three priorities for improving the living environment of citizens, currently representing a constitutional right.

However, the efforts made on the legislative, financial and operational levels, in view of the objectives set, remain insufficient because they are not supported by the training of skills in the field of waste management.

In this perspective, the University of Constantine 3 has decided to contribute to the national effort, by training high-performance executives to make them available to the socio-economic and industrial sector (training-employment relationship).

This master is highly professional oriented. It aims to train highly qualified managers, well imbued with the realities on the ground and having the scientific and professional knowledge and skills required for integrated waste management.

We aim for training that protects the environment and creates jobs. The trained executives (project managers, managers of structures and experts, etc.) will help the socio-economic sector.

CONTACTS/

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<http://www.crossac.fr/listes/gestion-des-dechets/>

Train highly qualified executives, well imbued with the realities of the land and having the scientific and professional knowledge and skills required for integrated waste management in urban areas ;
Put skills at the disposal of the socio-economic, industrial public or private sector.

COMPETENCES ACQUISES A L'ISSUE DE LA FORMATION



http://reflexions.ulg.ac.be/cms/c_347093/fr/bioethanol-eviter-de-comparer-des-pommes-et-des-poires?part=2

Manage waste generated by household and similar, healthcare, industrial and inert activities ;

Develop master plans for integrated waste management ;

elaborate waste collection routes in the different territories of the Algerian city ;

Manage waste sorting and technical landfill centers;

Carry out impact studies and assessment of nuisances generated by waste ;

Carry out a household waste characterization campaign;

Mastering environmental management systems, as well as mastering communication and awareness tools;

Develop your professional project: setting up micro-enterprises in waste management (collection, sorting, transport and treatment).

ADMISSION / SELECTION CRITERIA



<https://atmanco.com/fr/blog/recrutement/recrutement-selection-du-personnel-comment->

Number of places : 20 students

The training is open to Algerian students holding a LMD license in Urban Engineering, City Management, Urban Techniques and Sustainable Development, Environmental Engineering, Process Engineering and Town Planning, or another equivalent specialty;

Admission is subject to :

- Pre-selection on study of the training course (classification) ;
- Interview with the educational committee.

CAREER OPPORTUNITIES

This Master is intended to promote professional integration. The main professional environments targeted are :

- National Waste Agency ;
- Environmental Department and Technical Landfill Centers (TEC) ;
- Local authorities;
- Public and private waste management organizations and companies ;
- The industrial sector and processing units ;
- Creation of micro enterprises specializing in waste management ;

TRAINING PROGRAM

PAGE



<http://www.cfpsi.fr/formation-gestion-dechets/gestion-dechets-menagers-assimiles-dma/>



<http://www.iatecowaste.com/fr/economie-circulaire/>



http://www.mairie-lumio.fr/Tri-des-dechets-les-bons-gestes_a346.html



<http://congo-objectif2050.over-blog.com/2015/01/cycle-de-vie-matiere-et-energie-comment-penser-ou-repenser-les-enjeux-du-developpement-durable.html>

Theoretical knowledge

Practical training

S 1

Workshop: Waste and urban environment
Management of household and similar waste
Characterization of waste
Circular economy
Legislative, institutional and operational framework
Statistics applied to waste
Computer tool 1 (GIS)

Discovery outings

S 2

Workshop: Waste collection and transport,
Technical sorting and landfill center,
Management of industrial and inert waste,
Waste treatment processes,
Assembly and project management,
Seminars,
Computer science tool 2

Integration internship

S 3

Workshop: Professional project,
Waste and local urban management,
Management of waste from healthcare activities,
ICT and environmental awareness,
Research methodology,
Seminars,
English (communication and writing),

Qualifying internship

S 4

End of study thesis

End of study internship

PILOT PROJECT / TOWARDS THE ECO-CAMPUS

Improving the consideration of environmental aspects and the implementation of the sustainable development policy within the Salah Boubnider Constantine 3 University is a very important step for its transition to Eco campus. To give tangible and operational content to this project, many aspects must be taken into consideration, including: The management of the waste generated by the "G2DMU" campus.

This pilot project is considered to be a support project for vocational training. It forms a field of investigation and practice for students in relation to several subjects of the Master "sustainable waste management in urban areas"

Project leader: Roukia Bouadam. Ghat

In collaboration with: Zaidi Halima, Sonia Makhloufi, Imen Soukehal, Messaoud Sadi, Aida Djeghar, Milous Ibtissem, Souki Habiba, Nouredine Metnani, Mohamed Bouaoud.

University of Salah BOUBNIDER-Constantine 3
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Training Academic Bachelor degree in **CITY MANAGEMENT**

Content of the Bachelor Degree in CITY MANAGEMENT course

L 1 : semester 1 (common ground)

Workshop 1, Introduction to town planning 1, Planning 1, Maths 1, Chemistry, Urban legislation 1, Communication techniques, Foreign language 1

L 1 : semester 2 (common ground)

Workshop 2, Introduction to town planning 2, Planning 2, Maths 2, Building materials, Urban legislation 2, Computer science, Foreign language 2

L 2 : semester 3

Workshop 3, Urbain projet, Geography of cities, Topography, VRD, Urbaine sociology, Urban economy, Cartography

L 2 : semester 4

Workshop 4, Urban hydraulics, Teledetection, Démography, Computer Assisted drawing, Urban ecologie, Climatology

L 3 : semester 5

Workshop 5, Urban traffic, City management, Urban risks, GIS, Research methodology, Green spaces, Field trip

L 3 : semester 6

Workshop 6 (final dissertation), management, public markets, Ethics and deontology

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Field : ARCHITECTURE, URBAN PLANNING AND CITY SKILLS (AUCS)
 Sector: MANAGEMENT OF URBAN TECHNIQUES (MUT)
 Specialty: CITY MANAGEMENT (CM)

CITY MANAGEMENT LICENSE

Access condition:
 have a baccalauréat
 in :
 - Mathematics
 - Mathematical
 Techniques
 -Experimental

University of Salah BOUBNIDER-Constantine 3
 INSTITUTE of MANAGEMENT of URBAN TECHNIQUES

Formation

Academic Bachelor Degree in URBAN ENGINEERING

Content of the Bachelor degree in URBAN ENGINEERING course

L 1 : semester 1 (common ground)

Workshop 1, Introduction to town planning 1, Planning 1, Maths 1, Chemistry, urban Legislation 1, Communication techniques, Foreign language 1

L 1 : semester 2 (common ground)

Workshop 2, Introduction to town planning 2, Planning 2, Maths2, Building materials, Urban Legislation 2, strength of materials, Foreign language 2

L 2 : semester 3

Workshop 3, RVN1, Strength of Materials, Topography 1, Cartography 1, computer graphics 1, Language, Soil mechanics1

L 2 : semester 4

Workshop 4, RVN 2, Environmental engineering, Topography 2, Cartography, Remote sensing and returned cards, Language, Soil mechanics 2

L 3 : semester 5

Workshop 5, RVN 3, Cities and urban traffic, Projets management, Research methodology, Urbains green spaces, Construction technology, discovery trips or internship

L 3 : semester 6

Workshop 6(final dissertation), GIS and decision-making system, Ethics and deontology

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 Sector: MANAGEMENT OF URBAN TECHNIQUES
 Specialty: URBAN ENGINEERING (UE)

URBAN ENGINEERING LICENCE



Access condition:
 have a baccalauréat
 in
 - Mathematics
 - Mathematical
 Techniques
 -Experimental
 sciences

