Masters in Leadership Development in Information & Communication Technologies and the Knowledge Society - LC 514

1. CONTEXT AND OBJECTIVES

The ALICT programme's overarching goal is to develop a group of African ICT, Education, STI and Knowledge Society leaders that can become *agents for change* in their own countries and be catalysts for regional cooperation in the domain of ICT, Education, STI and Knowledge Societies both at the country and sub-regional levels. Through this proposal, the programme will consolidate a proven successful initiative in Ethiopia, Kenya and Uganda as well as add on new set of countries Djibouti, Somalia, South Sudan and Sudan to build and strengthen visioning, strategic planning and management, policy making and related strategic capacities of future leaders and policy makers in Africa on ICTs' role in the development of inclusive and sustainable Knowledge Societies in Africa. The contents from this course hail from Open Educational resources at the Dublin City University and the modules are already in ECTS values.

Objectives

- To build the capacity of selected future African leaders to become leaders for Knowledge Society development in their countries and in their regions.
- To build a network of experts in the countries and across the continent to continue dialogue across borders of organisations and countries.
- To ensure that this capacity building programme becomes a part of public sector capacity building.

Competencies

After successful completion of this programme, students should be equipped with the following competencies:

- management and problem solving skills
- effective communication skills, adaptability and flexibility
- effective implication in collaborative networked projects
- proposing and actively promoting coherent policy frameworks for the public sector for effective ICT integration within the various departments.

2. LEARNING OUTCOMES

On completing this Programme, senior officials in government and parastatal bodies should be able to:

- ➤ Demonstrate networked Leadership and agency in the Knowledge Age
- ➤ Develop New Strategies for Science, Technology and Innovation and provide advice to their governments on issues related to STI policies
- ➤ Advise government interventions to promote the development of broadband network infrastructure.
- ➤ Reflect on their own role as leaders, and their organisation's role in the advancement of the KS in their countries and regions
- ➤ Report on practical interventions in country contexts to address education change needs and enable the outlining of futures education development path options
- ➤ Conduct scientific research and produce a Policy Coherence Roadmap and/or publishable paper related to the Knowledge Society in the African context.

3. TEACHING AND LEARNING METHODS

This fully online programme is offered through a flexible mode in the form of webinars, online activities, online practicals, and other learning activities such as groupwork, projects and presentations, including self-learning activities and classroom discussions (virtual and/or face-to-face in cases where students can make arrangements with their respective tutors/ academics).

A typical semester module will carry 6 LCCS Credits which represent 180 notional learning hours broken down as follows: 30 hours of teaching/ tutoring, 60 hours of self-study (desk research, reading) and 90 hours of other learning activities (Webinars, online collaborative learning, activity organisation, presentations, guest lectures, on-field application and testing)

4. ENTRY REQUIREMENTS

- • **General**

Successful completion of an Undergraduate Degree with

- • At least a Second Class or 50%, whichever is applicable or
- • GPA not less than 2.5 out of 4 or equivalent, from a recognised higher education institution.

Or alternative and/or equivalent qualifications acceptable to the University of Mauritius. Mature candidates will be considered on a case-to-case basis.

- *Programme (Specific) Requirements*

    At least three years working experience in the public or private sector in one of the following areas – Education or ICT or Science & Technology or in Innovative and emerging economic sectors.

5. PROGRAMME DURATION

The duration of the Programme should normally not exceed 36 months.

Master's Degree (Part Time)	Normal	Maximum
	18 months	36 months
	3 Semesters	6 Semesters

6. MINIMUM LCCS CREDITS REQUIRED (LCCS Credits)

Requirements for Master's Degree Award

A learner will be awarded a Masters in Leadership Development in Information & Communication Technologies and the Knowledge Society provided s/he achieves **84 LCCS** credits.

- **Minimum Learner-Centred Credits Required for the Award of**

	Minimum LCCS credits	Dissertation	*Total*
Master's Award:	60	24	*84*
Postgraduate Diploma:	60		*60*
Postgraduate Certificate:	30		*30*

Students who already hold a Graduate Diploma of the Dublin City University in Leadership Development in ICT and the Knowledge Society, can apply to join directly at the Masters level, and will have to complete only the Dissertation component (**24 LCCS credits**) of the Master programme

- **Requirements for each Academic Year**

Maximum **60 LCCS credits**, Minimum **24 LCCS credits**, excluding retake modules and subject to section 5 above (maximum duration of programme)

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Semester modules to be registered for on a semester basis. Yearly modules to be registered for only once at the start of the module, normally at the beginning of academic year.

7.   ASSESSMENT AND DEADLINES

The programme will be assessed fully by coursework. Assessment will include individual and group work and will cover a wide range of assessment techniques (journals and portfolios, reports and online participation). Assessment will be module specific but will consist invariably of:

1.   A set of 2 Practical Hands-On Learning Activities (30%)
2.   Self-assessment exercises (10%)
3.   An Online Portfolio (30%)
4.   A Viva-Voce over Skype (for overseas students) and/or face-to-face (for local students) (30%)

The Assessment Criteria for the online portfolio are as follows:
- Showcase of artefacts produced throughout the module (10%)
- Reflective Summary on metacognitive learning, skills and knowledge acquired in the module (15%)
- Overall structure and presentation of portfolio (5%)

The pass mark for a module in the programme will be 50% given the nature of assessment which is entirely through coursework. All submitted coursework reports in the context of this programme will be subject to plagiarism check through the Turnitin Software and deadlines will apply as a consequence.

8.   List of Modules- MSc in Leadership Development in ICT and the Knowledge Society

Code	Module Name	Hrs/Wk	LCCS Credits
CORE MODULES			
CIL 5000	Leadership in the Knowledge Age	DEOL	10
CIL 5001	New Strategies for Science, Technology and Innovation	DEOL	10
CIL 5002	Communication Infrastructures	DEOL	10
CIL 5003	ICT Applications and the Role of Governments	DEOL	10
CIL 5004	Education in the Knowledge Age	DEOL	10
CIL 5005	Knowledge Society for Africa	DEOL	10
CIL 5006	Research Project	N/A	40

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9. **Programme Plan- MSc in Leadership Development in ICT and the Knowledge Society**

The programme will be offered over three semesters.

YEAR 1

Code (Core)	Module Name	Semester	Online/ face to face Teaching -DEOL (Contact Hours)	LCCS Credits
CIL 5000	Leadership in the Knowledge Age	1	30	10
CIL 5001	New Strategies for Science, Technology and Innovation		30	10
CIL 5002	Communication Infrastructures		30	10
CIL 5003	ICT Applications and the Role of Governments	2	30	10
CIL 5004	Education in the Knowledge Age		30	10
CIL 5005	Knowledge Society for Africa		30	10
			Sub Total	**60**

YEAR 2

Code (Core)	Module Name	Semester	Online/ face to face Teaching -DEOL (Contact Hours)	LCCS Credits
CIL 5006	Research Project	1	N/A	24
			Sub Total	**24**
			GRAND TOTAL	**84**

The programme is offered <u>fully online</u>. Not all electives may be run by the University.