

INSTITUT SUPERIEUR DE TECHNOLOGIES

Sarl au capital de 10 000 000

IFU 00003441L CMMBF OUA 2002 B00316/CNSS n°3111OR

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Agréé par le FAFPA (ministère de l'emploi)

Diplômes reconnus par le CAMES

Vingt (20) ans au service de la formation des ressources humaines

www.istburkina.com; Email : infos@isburkina.com

Master of Logistic and Transport

1.TITLE OF PROGRAMME

The programme shall be master of logistic and transport **MEng. (LT)**

2 PREAMBLE

2.1 Background

Logistics and transport management is increasingly recognized as pivotal to sound decision making and organizational success in meeting business objectives. Complex challenges arise from the globalization of production and consumption; innovative, modern solutions are needed to ensure and maintain profitability and competitiveness while responding to evolving customer demands and technological developments. Furthermore, increasing environmental concerns introduce a whole new dynamic, both socially and practically, to the logistics and transport .The master's programme in Logistics and Transport Management challenges your critical thinking and analytical skills. As a student of the programme, you will analyze real-world and theoretical problems, developing skills to design solutions for organizations operating under uncertainty and facing complex and rapidly changing markets and technologies. You will gain a strategic perspective of the relationships, flows, chains, processes, and systems comprising the international logistics and transport arena, with sustainability as a key issue.

2.2 Justification

Courses reveal how industry and government decision makers can respond to vigorous international competition, more diverse and demanding consumers, and increasing environmental concerns by applying interorganizational cooperative strategies, modern information technologies, new business processes, and contemporary analytical tools. There are excellent opportunities for designing the programme to fit your own personal interests and goals, including the possibility to undertake exchange studies in an international environment at respected partner institutions worldwide. Guest lecturers— from senior industry representatives to prominent overseas experts—share their invaluable experiences and intellectually stimulating, cutting-edge content.

2.3 Target Group

The targeted group includes holders of:

Applicants must have completed a UTS recognized bachelor's degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies.

3. Programme Objectives

3.1. General Objectives

The MSc in Transport and Logistics provides you with the qualifications to design, analyse, improve and manage the transport and logistics systems and technologies of the future.

Whether we are involved in transporting goods and consumer durables locally or across continents, or in travellers' mobility by car, bus, train, or bike, attaining efficiency and sustainability in our mobility system is one of the world's most complex problems.

Society and industry keep facing large challenges regarding congestion, environment and safety, but also large opportunities based on on-going transformations related to automation, sustainability, computing, and electrification.

3.2. Specific Objectives

The MSc in Transport and Logistics at IST allows you as a student to:

- ❖ **Learn by doing:** apply advanced methods and engineering skills to solve real-world problems that can affect the everyday lives of people and have an impact on the future organization of our societies and industry.
- ❖ **Gain breadth of knowledge:** study a wide range of transport, mobility, data science, supply chain, and logistics topics focused on the interaction of technology, operations, planning, management and sustainability from several departments and divisions within IST.
- ❖ **Get professionally ready:** for a career as leader, specialist or generalist in private companies, industry, consultancy, public agencies or research and academic institutions where you will have the advantage of specialist competences as well as a broad knowledge of transport and logistics systems and technologies.
- ❖ **Enjoy a top education:** in a top-ten Burkinafaso research institution on transport and a student life

- **Duration of the Programme:**

This course is offered on a Two-year (Four semesters), full-time or online

Programme Structure

Courses codes	Courses Names	Credit Units
	Year one	
	Semester one	
RM M01	Advanced research methods	3
OB M03	Organization Behavior	3
CS M02	Communication Skills	3
ESD M04	Entrepreneurship and Development	3
MBEC 2632	Business Ethics and Corporate Governance	3
MSM 9450	Strategic Management	3
MAE 421	Academic Essay	3
MLT 110	Integrated Logistics	3
MLT111	Intermodal Freight Transport	3
	Semester Two	
MLT120	Logistics and Transport Optimization	3
MLT121	Transport Planning and Sustainability	3
MLT122	Smart Mobility and Data Science	3
MLT123	Sustainable Supply Chains	3
MLT124	Transport and traffic	3
MLT125	Logistics and supply chain management	3
MLT126	Economic and business aspects	3
MLT127	Legal aspects	3
MLT128	Management and entrepreneurship	3
MLT129	Leadership and sustainability	3
		60
	Year Two	
	Semester One	
MLT 416	Scientific and practice-oriented methods	5
MLT 417	Sustainable Logistics	5
MLT 418	City Logistics	5
MLT220	Commercial Shipping & Trade Law	5
MLT 421	Retailing, Wholesaling and Logistics	5
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	Semester Two	
MLT 429	Internship	10
MLT 430	Thesis	20
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GCU		120
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