

MACS - COURSE REGISTRATION SELECTION GUIDE

Please use this guide to find your programme and identify the courses you need to register for:

Contents

MSc Artificial Intelligence	2
MSc Business Information Management.....	3
MSc Data Science.....	4
MSc Information Technology (Business).....	4
MSc Information Technology (Software Systems).....	5
MSc Network Security.....	5
MSc Software Engineering.....	6

All January start students will join in semester two. You should therefore choose your courses options accordingly.

PART TIME students can choose their courses in either of the following ways, please contact your Programme Director if you have any queries regarding courses choices:

Semester	Dates	PT Option One	PT Option Two
Semester Two	January to March 2021	2 courses	2 courses
Semester Three	June to September 2021	No Class	No Class
Semester One	September to December 2021	3 courses	4 courses
Semester Two	January to March 2022	3 courses	2 courses
Semester Three	May to August/December 2022	Project	Project

MSc Artificial Intelligence

MSc Artificial Intelligence				
Programme Code: F2Z7-ARI				
FULL TIME				
Course Code	Course Title	Mandatory/Optional	Year	Semester
MANDATORY				
F21BC	Biologically Inspired Computation	Mandatory	1	1
F21DL	Data Mining and Machine Learning	Mandatory	1	1
F21RP	Research Methods and Project Planning	Mandatory	1	2
F21MP	Masters Project and Dissertation	Mandatory	1	3
OPTIONAL				
F21GA	3D Graphics and Animation	Optional	1	1
F21RO	Intelligent Robotics	Optional	1	1
F21SF	Software Engineering Foundations	Optional	1	1
F29AI	Artificial Intelligence and Intelligent Agents	Optional	1	1
F21AA	Applied Text Analytics	Optional	1	2
F21AD	Advanced Interaction Design	Optional	1	2
F21AO	Applied Development and Operations	Optional	1	2
F21AS	Advanced Software Engineering	Optional	1	2
F21BD	Big Data Management	Optional	1	2
F21CA	Conversational Agents and Spoken Language Processing	Optional	1	2
F21GP	Computer Games Programming	Optional	1	2
PART TIME				
Students should contact their Programme Director to discuss their options and scheduling of courses.				

MSc Business Information Management

MSc Business Information Management				
Programme Code: F2B1-BIM				
FULL TIME				
Course Code	Course Title	Mandatory/Optional	Year	Semester
MANDATORY				
F21DF	Databases and Information Systems	Mandatory	1	1
F21IF	Information Systems Methodologies	Mandatory	1	1
F21DE	Digital and Knowledge Economy	Mandatory	1	2
F21RP	Research Methods and Project Planning	Mandatory	1	2
F21MP	Masters Project and Dissertation	Mandatory	1	3
OPTIONAL				
C11CS	Competitive Strategy	Optional	1	1
C11CH	Work Culture and Organisation	Optional	1	1
F21SA	Statistical Modelling and Analysis	Optional	1	1
F21SF	Software Engineering Foundations	Optional	1	1
F29KM	Knowledge Management	Optional	1	1
C11PA	Project Management	Optional	1	2
F21AD	Advanced Interaction Design	Optional	1	2
F21BD	Big Data Management	Optional	1	2
F21EC	eCommerce Technology	Optional	1	2
PART TIME				
Students should contact their Programme Director to discuss their options and scheduling of courses.				

MSc Data Science

MSc Data Science				
Programme Code: F2D1-DSC				
FULL TIME				
Course Code	Course Title	Mandatory/Optional	Year	Semester
MANDATORY				
F21DL	Data Mining and Machine Learning	Mandatory	1	1
F21SA	Statistical Modelling and Analysis	Mandatory	1	1
F21BD	Big Data Management	Mandatory	1	2
F21RP	Research Methods and Project Planning	Mandatory	1	2
F21MP	Masters Project and Dissertation	Mandatory	1	3
OPTIONAL				
F21BC	Biologically Inspired Computation	Optional	1	1
F21CN	Computer Network Security	Optional	1	1
F21SC	Industrial Programming	Optional	1	1
F21SF	Software Engineering Foundations	Optional	1	1
F21AA	Applied Text Analytics	Optional	1	2
F21AO	Applied Development and Operations	Optional	1	2
F21AS	Advanced Software Engineering	Optional	1	2
F21DE	Digital and Knowledge Economy	Optional	1	2
F21DV	Digital Visualisation and Analytics	Optional	1	2
F21EC	eCommerce Technology	Optional	1	2
PART TIME				
Students should contact their Programme Director to discuss their options and scheduling of courses.				

MSc Information Technology (Business)

MSc Information Technology (Business)				
Programme Code: F2CG-ITB				
FULL TIME				
Course Code	Course Title	Mandatory/Optional	Year	Semester
MANDATORY				
F21DF	Databases and Information Systems	Mandatory	1	1
F21DE	Digital and Knowledge Economy	Mandatory	1	2
F21RP	Research Methods and Project Planning	Mandatory	1	2
F21MP	Masters Project and Dissertation	Mandatory	1	3
OPTIONAL				
C11CS	Competitive Strategy	Optional	1	1
C11CH	Work Culture and Organisation	Optional	1	1
F21SA	Statistical Modelling and Analysis	Optional	1	1
F21SF	Software Engineering Foundations	Optional	1	1
C11PA	Project Management	Optional	1	1
F21BD	Big Data Management	Optional	1	1
F21EC	eCommerce Technology	Optional	1	2
F29SS	Sociotechnical and Soft Systems	Optional	1	2
PART TIME				
Students should contact their Programme Director to discuss their options and scheduling of courses.				

MSc Information Technology (Software Systems)

MSc Information Technology (Software Systems)				
Programme Code: F2EG-ITS				
FULL TIME				
Course Code	Course Title	Mandatory/Optional	Year	Semester
MANDATORY				
F21DF	Databases and Information Systems	Mandatory	1	1
F21RP	Research Methods and Project Planning	Mandatory	1	2
F21MP	Masters Project and Dissertation	Mandatory	1	3
OPTIONAL				
F21CN	Computer Network Security	Optional	1	1
F21RO	Intelligent Robotics	Optional	1	1
F21SF	Software Engineering Foundations	Optional	1	1
F21AD	Advanced Interaction Design	Optional	1	2
F21AS	Advanced Software Engineering	Optional	1	2
F21DV	Data Visualisation and Analytics	Optional	1	2
F21EC	eCommerce Technology	Optional	1	2
F21GP	Computer Games Programming	Optional	1	2
PART TIME				
Students should contact their Programme Director to discuss their options and scheduling of courses.				

MSc Network Security

MSc Network Security				
Programme Code: F2N3-CNS				
FULL TIME				
Course Code	Course Title	Mandatory/Optional	Year	Semester
MANDATORY				
F21CN	Computer Network Security	Mandatory	1	1
F21AN	Advanced Network Security	Mandatory	1	2
F21RP	Research Methods and Project Planning	Mandatory	1	2
F21MP	Masters Project and Dissertation	Mandatory	1	3
OPTIONAL				
B31TF	Sensors, Actuators and IoT	Optional	1	1
F21DF	Databases and Information Systems	Optional	1	1
F21DL	Data Mining and Machine Learning	Optional	1	1
F21RS	Rigorous Methods for Software Engineering	Optional	1	1
F21SC	Industrial Programming	Optional	1	1
F21SF	Software Engineering Foundations	Optional	1	1
F29DC	Data Communications and Networking	Optional	1	1
C11PA	Project Management	Optional	1	2
F21AO	Applied Development and Operations	Optional	1	2
F21AS	Advanced Software Engineering	Optional	1	2
F21BD	Big Data Management	Optional	1	2
F21FO	Digital Forensics	Optional	1	2
PART TIME				
Students should contact their Programme Director to discuss their options and scheduling of courses.				

MSc Software Engineering

MSc Software Engineering				
Programme Code: F2A7-SOE				
FULL TIME				
Course Code	Course Title	Mandatory/Optional	Year	Semester
MANDATORY				
F21RS	Rigorous Methods for Software Engineering	Mandatory	1	1
F21SC	Industrial Programming	Mandatory	1	2
F21AS	Advanced Software Engineering	Mandatory		
F21RP	Research Methods and Project Planning	Mandatory	1	2
F21MP	Masters Project and Dissertation	Mandatory	1	3
OPTIONAL				
F21BC	Biologically Inspired Communication	Optional	1	1
F21CN	Computer Network Security	Optional	1	1
F21DL	Data Mining and Machine Learning	Optional	1	1
F21GA	3D Graphics and Animation	Optional	1	1
C11PA	Project Management	Optional	1	2
F21AD	Advanced Interaction Design	Optional	1	2
F21AO	Applied Development and Operations (DevOps)	Optional	1	2
F21BD	Big Data Management	Optional	1	2
F21GP	Computer Games Programming	Optional	1	2
PART TIME				
Students should contact their Programme Director to discuss their options and scheduling of courses.				