

# MASTER OF SCIENCE IN INFORMATION TECHNOLOGY AND MANAGEMENT

## Master of Science in Information Technology and Management (Thesis Option)

Code	Title	Credit Hours
<b>Core Courses</b>		(9)
Select a minimum of three credit hours from Software Development:		3
ITMD 510	Object-Oriented App Develop	3
ITMD 512	Structured/Systems Programming	3
ITMD 513	Open Source Programming	3
ITMD 515	Advanced Software Programming	3
Select a minimum of three credit hours from System Technologies:		3
ITMD 553	Enterprise Intelligent Device	3
ITMD 554	Mass-Market Intelligent Device	3
ITMD 555	Open-Source Intelligent Device	3
ITMD 565	Rich Internet Applications	3
ITMD 566	Service-Oriented Architectures	3
ITMO 533	Enterprise Server Admin	3
ITMO 540	Intro Data Networks & Internet	3
ITMO 553	Open Source System Admin	3
ITMO 554	Operating Sys Virtualization	3
ITMO 556	Intro to Open Source Software	3
ITMS 548	Cyber Security Technologies	3
ITMS 558	Operating Systems Security	3
ITMT 535	Data Center Architecture	3
ITMT 593	Embedded Systems	3
Select a minimum of three credit hours from Business Development:		3
ITMD 511	Application Dev Methodologies	3
ITMD 532	UML-Based Software Development	3
ITMD 534	Human/Computer Interaction	3
ITMD 535	Human-Computer Interaction Des	3
ITMM 537	Vendor Mgmt/Service Lvl Agrmts	3
ITMM 570	Fund of Mgmt for Tech Prof	3
ITMM 571	Project Management for ITM	3
ITMM 574	ITM Frameworks	3
ITMM 575	Networking/Telecom Management	3
ITMM 581	IT Entrepreneurship	3
ITMM 582	Business Innovation	3
ITMS 578	Cyber Security Mgmt	3
ITMT 531	OO Syst Anlys Mod & Des	3
<b>Research Course</b>		(5-8)
ITMT 591	Independent Study/Research	5-8
<b>Elective Courses</b>		(15-18)
Select 15-18 credit hours from any 500-level ITM, ITMD, ITMM, ITMO, ITMS, ITMT, or TECH courses selected with the student's adviser. <sup>1</sup>		15-18

**Minimum degree credits required: 32**

<sup>1</sup> Courses from other departments may be selected with adviser approval. Students may select project courses ITMT 594 or ITMT 597 as electives, but a maximum combined total of eight credit hours of ITMT 591, ITMT 594, and ITMT 597 may be applied toward the degree requirements.

## Master of Science in Information Technology and Management (Master's Project Option)

Code	Title	Credit Hours
<b>Core Courses</b>		(9)
Select a minimum of three credit hours from Software Development:		3
ITMD 510	Object-Oriented App Develop	3
ITMD 512	Structured/Systems Programming	3
ITMD 513	Open Source Programming	3
ITMD 515	Advanced Software Programming	3
Select a minimum of three credit hours from System Technologies:		3
ITMD 553	Enterprise Intelligent Device	3
ITMD 554	Mass-Market Intelligent Device	3
ITMD 555	Open-Source Intelligent Device	3
ITMD 565	Rich Internet Applications	3
ITMD 566	Service-Oriented Architectures	3
ITMO 533	Enterprise Server Admin	3
ITMO 540	Intro Data Networks & Internet	3
ITMO 553	Open Source System Admin	3
ITMO 554	Operating Sys Virtualization	3
ITMO 556	Intro to Open Source Software	3
ITMS 548	Cyber Security Technologies	3
ITMS 558	Operating Systems Security	3
ITMT 535	Data Center Architecture	3
ITMT 593	Embedded Systems	3
Select a minimum of three credit hours from Business Development:		3
ITMD 511	Application Dev Methodologies	3
ITMD 532	UML-Based Software Development	3
ITMD 534	Human/Computer Interaction	3
ITMD 535	Human-Computer Interaction Des	3
ITMM 537	Vendor Mgmt/Service Lvl Agrmts	3
ITMM 570	Fund of Mgmt for Tech Prof	3
ITMM 571	Project Management for ITM	3
ITMM 574	ITM Frameworks	3
ITMM 575	Networking/Telecom Management	3
ITMM 581	IT Entrepreneurship	3
ITMM 582	Business Innovation	3
ITMS 578	Cyber Security Mgmt	3
ITMT 531	OO Syst Anlys Mod & Des	3
<b>Research Course</b>		(5-8)
ITMT 594	Special Projects in IT	5-8
or ITMT 597	Special Problem in IT	
<b>Elective Courses</b>		(15-18)
Select 15-18 credit hours from any 500-level ITM, ITMD, ITMM, ITMO, ITMS, ITMT, or TECH courses selected with the student's adviser. <sup>1</sup>		15-18

**Minimum degree credits required: 32**

<sup>1</sup> Courses from other departments may be selected with adviser approval.