

UT - EI Manar Courses (English)	CoC GVSU Course	GVSU Credits	GVSU Programs	UTM Credits
LBIS5 - Information technology management (ERP, SCM)	CIS 643 Information Systems Policy & Strategy	3	ACS	3
LBIS5 - Mobile development	CIS 657 Mobile Application Development	3	ACS, HCC, SE	2
LBIS5 - Project management	CIS 642 IS Project Management	3	ACS	4
MISIDS-S1 - Advanced databases	CIS 676 Database Architecture	3	ACS	3
MISIDS-S1 - Corporate culture	PSM 662 Seminar in Professional Science Practice	2	DSA, HIB	2
MISIDS-S1 - Foundations of BigData and NoSQL	CIS 660 Data Engineering	3	ACS, DSA, HIB,	3
LBIS5 - Introduction to Big Data and Cloud			SE	3
MISIDS-S1 - Information system design (Agile development methods and others)	CIS 641 Systems Analysis and Design	3	ACS, AI, SE	4
MISIDS-S1 - Mathematical Foundations of Scientific Data	STA 518 Statistical Computing and Graphics with R	3	DSA	2
Development)	CIS 658 Web Architectures	3	ACS, SE	3
MISIDS-S2 - New Web Technology				3
MISIDS-S1 - Opt2: Cloud computing	CIS 655 Cloud Applications Development	3	AI, SE	4
LBIS5 - Service-oriented architecture				4
MISIDS-S2 - Data analysis	STA 526 Multivariate Data Analysis	3	DSA	2
MISIDS-S2 - Data Mining	CIS 635 Knowledge Discovery & Data Mining	3	ACS, AI, DSA,	2
MISIDS-S2 - Big Data Processing			HIB, SE	4
MISIDS-S2 - Machine Learning	CIS 678 Machine Learning	3	ACS, AI, DSA, HCC, HIB, SE	3
MISIDS-S2 - Opt2: Cybersecurity	CIS 615 Information Security Principles	3	ACS, CYB, SE	2
LBIS5 - Fundamentals of IT security				2