

CoC GVSU Courses	GVSU Programs	ESPRIT Courses
AI 521 Applied Computer Vision	AI, HCC	Computer-Vision & M-Vision
AI 531 Natural Language Processing	AI, HCC, SE	Natural Language Processing
AI 541 Edge AI	AI, SE	AI for Embedded Systems
CIS 615 Information Security Principles		Computer Security
CIS 635 Knowledge Discovery & Data Mining	ACS, AI, DSA, HIB, SE	Big Data Analytics Data analysis & decision making Data Mining
CIS 641 Systems Analysis and Design	ACS, AI, SE	Information systems architecture Information systems management Information systems fundamentals Project Management and Steering
CIS 642 IS Project Management	ACS	Project management & change management Project management: Technical foundation
CIS 643 Information Systems Policy and Strategy	ACS	Strategic management & digital transition
CIS 654 Computer Networking	ACS, AI, CYB, SE	IP Network and Routing
CIS 655 Cloud Applications Development	AI, SE	Introduction to Cloud Computing
CIS 657 Mobile Application Development	ACS, HCC, SE	Mobile Development Mobile Device Programming Mobile Software Engineering
CIS 658 Web Architectures	ACS, SE	Web 2.0 Technology Web development
CIS 660 Data Engineering	ACS, DSA, HIB, SE	Big Data/Introduction to Big Data Databases Database Management System
CIS 671 Information Visualization	ACS, AI, DSA, HCC, HIB, SE	Business Intelligence (Informatique Décisionnelle)
CIS 672 Computer Systems Architecture	ACS	Architecture des microcontrôleurs
CIS 673 Principle of Database Design	ACS	Databases Database management system Data base
CIS 678 Machine Learning	ACS, AI, DSA, HCC, HIB, SE	Machine learning tools Machine Learning
PSM 650 Ethics & Professionalism in Applied Science	DSA, HIB	Communication, Culture, et Citoyenneté Professional efficiency & Personal skills
PSM 662 Seminar in Professional Science Practice	DSA, HIB	Drout de la propriété intellectuelle Project de Fin d'Etudes
SE 511 Introduction to Software Engineering (CIS 611)	ACS, AI, HCC, SE	Introduction to Software Engineering Software Engineering
SE 513 Software Testing (CIS 613)	ACS, AI, SE	Software Testing and Validation
SE 522 Software Design Methodologies (CIS 622)	ACS, HCC, SE	Object-Oriented Modeling and Programming
SE 530 Software Construction and Delivery	AI, SE	DEVOPS Software Construction and Delivery
SE 536 Data Analytics in Software Engineering	SE	Big Data Analytics
STA 518 Statistical Computing and Graphics with R	DSA	Statistiques
STA 631 Statistical Modeling I	DSA	Statistical Analysis Inferential statistics
STA 632 Statistical Modeling II	DSA	Time Series and Quality Control