

Curriculum for the Master's Degree in Computer Science

Comprehensive Exam Track

The requirements for obtaining the Master's Degree in Computer Science (Comprehensive Exam Track) consist of (33) credit hours distributed as follows:

A. Obligatory Courses (24) Credit Hours:

Course Number	Course Title	Credit Hours	Learning Mode	Prerequisite
1501721	Advanced Computer Networks	3	Face-to-Face	—
1501731	Advanced Database Systems	3	Face-to-Face	—
1501741	Advanced Cloud Computing	3	Blended	—
1501751	Applied Algorithms	3	Face-to-Face	—
1501781	Applications of Artificial Intelligence	3	Online	—
1501782	Machine Learning	3	Blended	—
1501791	Research Project in Computer Science	3	Face-to-Face	—
1501798	Comprehensive Exam	0	Face-to-Face	—
1503711	Research Methodology	3	Online	—

B. Elective Courses (9) Credit Hours: the student chooses them from the following:

Course Number	Course Title	Credit Hours	Learning Mode	Prerequisite
1501722	Advanced Topics in Wireless Networks	3	Blended	—
1501732	Advanced Operating Systems	3	Blended	—
1501754	Biological Computations	3	Blended	—
1501783	Computer Vision	3	Blended	—
1501785	Data Mining	3	Blended	—
1501786	Natural Language Processing	3	Blended	—
1501788	Advanced Topics in Information Technology	3	Blended	—
1503731	Software Project Management	3	Blended	—
1503735	Advanced Software Modeling	3	Blended	—
1506723	Cybersecurity Risk Management	3	Blended	—
1506735	Advanced Network Security	3	Blended	—
1506768	Blockchain	3	Blended	—