

**Master of Science in Computer Science Databases and Intelligent Information Systems  
- Thesis Track**

**FOUNDATION REQUIREMENTS: 12 Credits\*** **Credits**

|   |     |
|---|-----|
| CS-501B: Program Development                        | 3.0 |
| CS-502: Theoretical Foundations of Computer Science | 3.0 |
| CS-503: Data Structures and Algorithms              | 3.0 |
| CS-505: Operating Systems Concepts                  | 3.0 |

**PROGRAM REQUIREMENTS: 30 Credits** **Credits**

|   |     |
|---|-----|
| CS-512: Algorithm Design                          | 3.0 |
| CS-514: Networks                                  | 3.0 |
| CS-517: Database Design and Management            | 3.0 |
| CS-520: Introduction to Intelligent Systems       | 3.0 |
| <b>Take 6 Credits from the Following Courses:</b> | 6.0 |
| CS-521: Artificial Intelligence                   |     |
| CS-529: Web Services and .NET                     |     |
| CS-533: Database System Implementation            |     |
| CS-618: Data Mining                               |     |
| CS-625: Internet Crawler                          |     |
| CS-691: Computer Science Thesis I                 | 3.0 |
| CS-692: Computer Science Thesis II                | 3.0 |
| <b>Electives:</b>                                 | 6.0 |
| Take 6 credits Designated with Course*Type CISEL  |     |

**Total Credits for Master of Science in Computer Science Databases and Intelligent Information Systems  
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\*Up to 12 credits may be waived upon evaluation of prior academic preparation