# Computer Science MSc

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|---|---|---|---|---|---|---|---|---|---|
| Geoinformatics | Operation research | Algorithms | Machine learning basics | NoSQL databases | Cryptography | Advanced software architecture patterns | Information systems | Advanced XML technologies | Sensor networks and the internet of things |

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| Advanced inference methods | Logical algorithms | Advanced cloud computing | Data mining | . Image processing and medical imaging | Computer graphics | Optimization algorithms | . Parallel and high performance computing |

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| Models of computation | Coding theory | Text- and web-mining | Visualization and visual analytics | Geometric modelling | Theory of neural networks |

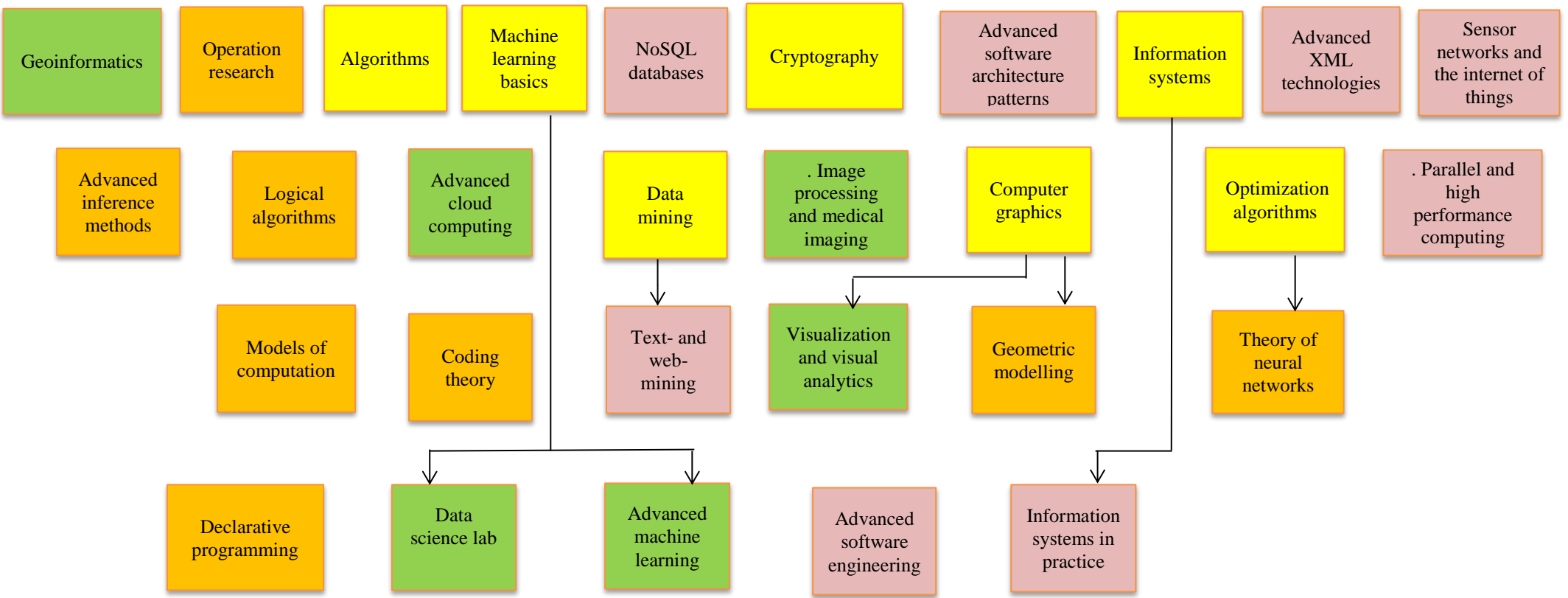| | | | | |
|---|---|---|---|---|
| Declarative programming | Data science lab | Advanced machine learning | Advanced software engineering | Information systems in practice |

Compulsary

Mathematical and Computer Science elective courses

+ Informatical sciences elective courses