**MSc Advanced Computer Science 24-25**

**Coordinator: Bertie Muller**

**JANUARY START – PTFCS10J**

**Compulsory Modules**

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| **Jan-June 24-25** | **Sept-Jan 25-26** |
| [**CSCM10**](https://intranet.swan.ac.uk/CourseModules/Maintenance/Print?modCode=CSCM10&ayrc=24/25&occur=A&pslCode=TB2)**Computer Science Project Research Methods** **15 Credits** | [**CSCM985**](https://intranet.swan.ac.uk/CourseModules/Maintenance/Print?modCode=CSCM985&ayrc=25/26&occur=A&pslCode=TB1)**Logics, Modelling, and Verification Techniques****20 Credits****Or**[**CSCM598**](https://intranet.swan.ac.uk/CourseModules/Maintenance/Print?modCode=CSCM598&ayrc=25/26&occur=A&pslCode=TB1)**Operating Systems and Architectures****20 Credits** |
| [**CSCM35**](https://intranet.swan.ac.uk/CourseModules/Maintenance/Print?modCode=CSCM35&ayrc=24/25&occur=A&pslCode=TB2)**Big Data and Data Mining****15 Credits** | [**CSCM437**](https://intranet.swan.ac.uk/CourseModules/Maintenance/Print?modCode=CSCM437&ayrc=25/26&occur=A&pslCode=TB2)**Data Visualisation and Visual Analytics****20 Credits****Or** [**CSCM445**](https://intranet.swan.ac.uk/CourseModules/Maintenance/Print?modCode=CSCM445&ayrc=25/26&occur=A&pslCode=TB1)**Machine Learning****20 Credits** |
| [**CSCM39**](https://intranet.swan.ac.uk/CourseModules/Maintenance/Print?modCode=CSCM39&ayrc=24/25&occur=A&pslCode=TB2)**Human Computer Interaction****15 Credits** | [**CSCM818**](https://intranet.swan.ac.uk/CourseModules/Maintenance/Print?modCode=CSCM818&ayrc=25/26&occur=A&pslCode=TB1)**IT-Security, Forensics and Cryptography****20 Credits****Or** **[CSCM072](https://intranet.swan.ac.uk/CourseModules/Maintenance/Print?modCode=CSCM072&ayrc=25/26&occur=A&pslCode=TB1)****Optimisation Techniques****20 Credits** |
| [**CSCM29**](https://intranet.swan.ac.uk/CourseModules/Maintenance/Print?modCode=CSCM29&ayrc=24/25&occur=A&pslCode=TB2)**Blockchain, Cryptocurrencies and Smart Contracts****15 Credits** |  |
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| **Research Project- June-September 25-26** |
| **[CSPM20J](https://intranet.swan.ac.uk/CourseModules/Maintenance/Print?modCode=CSPM20J&ayrc=25/26&occur=A&pslCode=TB1%2B2)****MSc Project** **60 Credits** **CORE** |
| **Total 180 Credits** |