**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** | |