Dear Admissions Officer,

Please find my modules description by clicking the name of the module which will direct you to the university website.

Year 1

Modules (all 20 credits)

* [Artificial Intelligence 1](https://program-and-modules-handbook.bham.ac.uk/webhandbooks/WebHandbooks-control-servlet?Action=getModuleDetailsList&pgSubj=06&pgCrse=34238&searchTerm=002024)
* [Data Structure & Algorithms](https://program-and-modules-handbook.bham.ac.uk/webhandbooks/WebHandbooks-control-servlet?Action=getModuleDetailsList&pgSubj=06&pgCrse=30175&searchTerm=002024)
* [Mathematical and Logical Foundations of Computer Science](https://program-and-modules-handbook.bham.ac.uk/webhandbooks/WebHandbooks-control-servlet?Action=getModuleDetailsList&pgSubj=06&pgCrse=35324&searchTerm=002024)
* [Object Oriented Programming](https://program-and-modules-handbook.bham.ac.uk/webhandbooks/WebHandbooks-control-servlet?Action=getModuleDetailsList&pgSubj=06&pgCrse=34229&searchTerm=002024)
* [Theories of Computation](https://program-and-modules-handbook.bham.ac.uk/webhandbooks/WebHandbooks-control-servlet?Action=getModuleDetailsList&pgSubj=06&pgCrse=35393&searchTerm=002024)
* [Full Stack Application Development](https://program-and-modules-handbook.bham.ac.uk/webhandbooks/WebHandbooks-control-servlet?Action=getModuleDetailsList&pgSubj=06&pgCrse=34252&searchTerm=002023)

Year 2

Modules (all 20 credits)

* [Artificial Intelligence 2](https://program-and-modules-handbook.bham.ac.uk/webhandbooks/WebHandbooks-control-servlet?Action=getModuleDetailsList&pgSubj=06&pgCrse=34255&searchTerm=002025)
* [Functional Programming](https://program-and-modules-handbook.bham.ac.uk/webhandbooks/WebHandbooks-control-servlet?Action=getModuleDetailsList&pgSubj=06&pgCrse=34253&searchTerm=002025)
* [Operating Systems and Systems Programming](https://program-and-modules-handbook.bham.ac.uk/webhandbooks/WebHandbooks-control-servlet?Action=getModuleDetailsList&pgSubj=06&pgCrse=38059&searchTerm=002025)
* [Security and Networks](https://program-and-modules-handbook.bham.ac.uk/webhandbooks/WebHandbooks-control-servlet?Action=getModuleDetailsList&pgSubj=06&pgCrse=30195&searchTerm=002025)
* [Software Engineering](https://program-and-modules-handbook.bham.ac.uk/webhandbooks/WebHandbooks-control-servlet?Action=getModuleDetailsList&pgSubj=06&pgCrse=40098&searchTerm=002025)
* [Team Project](https://program-and-modules-handbook.bham.ac.uk/webhandbooks/WebHandbooks-control-servlet?Action=getModuleDetailsList&pgSubj=06&pgCrse=26263&searchTerm=002024)

Year 3

Modules

* [Computer Science Project](https://program-and-modules-handbook.bham.ac.uk/webhandbooks/WebHandbooks-control-servlet?Action=getModuleDetailsList&pgSubj=06&pgCrse=26581&searchTerm=002024) (40 credits)
* [Human-Computer Interaction](https://program-and-modules-handbook.bham.ac.uk/webhandbooks/WebHandbooks-control-servlet?Action=getModuleDetailsList&pgSubj=06&pgCrse=30214&searchTerm=002026) (20 credits)
* [Machine Learning](https://program-and-modules-handbook.bham.ac.uk/webhandbooks/WebHandbooks-control-servlet?Action=getModuleDetailsList&pgSubj=06&pgCrse=38965&searchTerm=002026)(20 credits)
* [Natural Language Processing](https://program-and-modules-handbook.bham.ac.uk/webhandbooks/WebHandbooks-control-servlet?Action=getModuleDetailsList&pgSubj=06&pgCrse=37810&searchTerm=002026)(20 credits)
* [Neural Computation](https://program-and-modules-handbook.bham.ac.uk/webhandbooks/WebHandbooks-control-servlet?Action=getModuleDetailsList&pgSubj=06&pgCrse=32167&searchTerm=002026)(20 credits)

Year 1

Modules (all 20 credits)

• Artificial Intelligence 1

• Data Structure & Algorithms

• Mathematical and Logical Foundations of Computer Science

• Object Oriented Programming

• Theories of Computation

• Full Stack Application Development

Year 2

Modules (all 20 credits)

• Artificial Intelligence 2

• Functional Programming

• Operating Systems and Systems Programming

• Security and Networks

• Software Engineering

• Team Project

Year 3

Modules

• Computer Science Project (40 credits)

• Human-Computer Interaction (20 credits)

• Machine Learning(20 credits)

• Natural Language Processing (20 credits)

• Neural Computation(20 credits)