

Electives for 2nd year BSc(Hons) Computer Science and BSc(Hons) Software Engineering 2017-2018

You should select a 10 credit elective class and add this to your curriculum on Pegasus. In order to spread your workload better over the year, you are strongly recommended to select a semester 2 elective. However if you have a strong preference for an elective which runs in semester 1 then this may be chosen. Some electives are 20 credits. Although not generally advised, you may be approved for a 20 credit elective class if you are very keen on it and if you had a 'Pass with Merit' or 'Pass with Distinction' result in year 1.

The elective classes listed below are those believed to be able to fit with the timetable for the compulsory curriculum for BSc(Hons) CS and BSc(Hons) SE students. The course timetables may be viewed at

<https://local.cis.strath.ac.uk/wp/teaching/undergraduate/timetable/>

Where there are multiple lab/tutorial sessions for a CIS 2nd year class you will be allocated to one of these around the start of week 2, based on your timetable and those of others taking the classes.

It is recommended that you pick a semester 2, 10 credit elective from the list below which are believed not to clash with the compulsory timetable. However if you find another elective class which you wish to take which is not on the list below then if it is at a suitable level (level 1 or 2) and does not clash with your compulsory class timetable then you may request this provided you email isla.ross@strath.ac.uk confirming that you have investigated the class timetable details with the class coordinator/ department concerned and confirming what these details are. Class details and links to timetables are available in the class catalogue at <http://ben.mis.strath.ac.uk/classcatalogue/>. If you use the Search facility be sure to select year 2017-18.

Semester 2 electives (10 credits)

[PH161](#) The Universe and Everything, 10 credits, Semester 2, Monday 1-2pm and Friday 1-2pm (Maths and Physics not required as prerequisites)

[59101](#) Use and Abuse of Drugs in Society, 10 credits, Semester 2, Monday 1-2pm and Friday 1-2pm

[57102](#) Herbal Medicines, Past, Present & Future. (Do They Work And Are They Safe?), 10 credits, Semester 2, Tuesday 12-1pm and Thursday 1-2pm

[QQ210](#) Vertically Integrated Project – TextLab, 10 credits, Semester 2, Wed 2-5pm (This class has limited availability. You must seek and be granted prior approval by George Weir – george.weir@strath.ac.uk before it will be approved on your curriculum and pass an email containing that approval to isla.ross@strath.ac.uk) You may choose this class whether you did or did not take the Vertically Integrated Project elective in year 1 but should use class code QQ210 if you are in year 2. TextLab focuses on the use of software tools and techniques for textual analysis and how these tools may be applied in understanding the content and characteristics of different types of text. Such applications of software textual analysis are increasingly used across a broad range of disciplines including literature studies (e.g., automating genre identification), education (e.g., for plagiarism detection) and digital forensics (e.g., for authorship analysis). TextLab will mainly comprise lab-based group activities and students will use both Linux and Windows-based

software tools. Some of the software tools are generic and may be applied to any textual data. Other software tools are specifically configured for use in analysing Shakespeare plays. This class is available to CIS students in 1st and 2nd year and to English Studies students from all UG years. Assessment is largely based on group work. There is no examination for this class.

[16130](#) Introduction to Engineering, 10 credits, Semester 2, Tuesday 10-11am and Thursday 10-11am

[99202](#) Introduction to Forensic Science, 10 credits, Semester 2, presented on-line with no timetabled slots

This class introduces students to forensic science, from the crime scene to the courtroom. All material is delivered online via video and podcast. Six modules will be presented over ten weeks, examining four specific evidence types – fingerprints, forensic biology including blood pattern analysis and DNA, impression evidence and drugs of abuse. These will be discussed within the context of a reconstructed murder case to illustrate how such an inquiry can develop over time.

[PH260](#) Physical Electronics, 10 credits, Semester 2, Tuesday 9-10am, Thursday 9-10am and Thursday 1-2pm, Pre-Requisites: Higher Physics and Mathematics or equivalents

Semester 1 electives (10 credits)

[PH160](#) Introductory Astronomy, 10 credits, Semester 1, Tuesday 1-2pm and Thursday 1-2pm (normally requires Higher Maths and Standard Grade Physics)

Electives running through both semesters (10 credits)

[23101](#) Pharmaceutical Sciences and Drug Development, 10 credits, Semester 1 and 2, Wednesday 9-10am

20 credit electives

[MS211](#) Managing Business Processes and Information Systems 20 credits, semester 2, Thursday 11-1 and Friday 3-5 (MS108 and MS109 should both have been taken and passed in 1st year.) Currently on the timetable all tutorials for MS211 clash with the compulsory timetable. An update is awaited as to whether a further tutorial slot will be included since the clash is present for MEng CS students where this class is compulsory.

Modern Languages Department elective classes

These are usually 20 credit classes covering both semesters. There are usually a number of streams within these classes so that they can be organised around the other commitments which students have. You should check with the Department of Modern Languages that any language class you wish to register for fits in with your other compulsory class commitments and confirm this to isla.ross@strath.ac.uk before your elective choice will be approved.

Centre for LifeLong Learning classes

You may be able to select your elective (should you wish and should places be available) from evening and weekend classes run by the Centre for LifeLong Learning (CLL) as long as they are assessed in time for the June exam board. So they must be classes which start October or January (not later). You should check yourself when enquiring with CLL that they will be assessed in time for the June exam boards. Few places are offered to undergraduates taking electives so apply as soon as you can if interested. The classes are not those currently in the university class catalogue. Those available are in the CLL <http://www.strath.ac.uk/studywithus/centreforlifelonglearning/shortcourses/eveningandweekendprogramme/>. You may only pick a 10 credit class as your elective. You are advised to check with CLL before applying that places are available on your chosen class for undergraduate students taking an elective and [book your place provisionally to reserve a place](#). Guidance on selecting a CLL elective is available here, <http://www.strath.ac.uk/studywithus/centreforlifelonglearning/studentssupport/electiveclasses/> Once you have established that there is a place available then you should print the [Open Studies Elective Form](#), fill in the details, using the class code from the CLL [Evening and Weekend Programme](#) You then require to get a signature from CIS from Isla Ross or Alex Coddington. You should then return the form to CLL [as soon as possible](#) in order to [have your registration](#) for the class [confirmed](#).

As the class codes on Pegasus don't currently reflect those in the CLL evening and weekend programme we will not be able to register you on Pegasus for these at present. Please email Isla of your choice – once enrolled by CLL and we will ask for the appropriate codes to be added to your curriculum on Pegasus as they become available in the catalogue.

Please note that Enquiries about class place availability or class content should go to CLL [on 0141 548 2116](#) or by [visiting their Reception on level 7 of the Graham Hills Building at 40 George Street](#) and not to Isla or Alex.

(MEng CS2 students cannot do this as part of their course this year but may in 3rd year when electives feature in their curriculum.)

MEng CS students

Electives are not part of the year 2 curriculum for MEng CS students.

Last updated 6-9-2017