**Electives for 2nd years BSc(Hons) Computer Science, BSc(Hons) Software Engineering and BSc(Hons) Business Information Systems students 2016-2017**

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 SE students. The draft timetable 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.

It is recommended that you pick a semester 2, 10 credit elective from the list below. If you find another elective class at a suitable level (level 1 or 2) which is not on the list below and does not clash with the compulsory class timetable then you may request this provided you email Isla confirming the timetable details. 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 2016-17.

If you select a class which clashes with the compulsory timetable then it is unlikely to be approved. If the class has no timetable information showing then you may wish to contact the relevant class coordinator to find out when the class runs. If you obtain confirmation of times from the class coordinator and these don’t clash with the compulsory timetable then please email Isla with details for consideration.

**Semester 2 electives (10 credits)**

[PH161](http://ben.mis.strath.ac.uk/classcatalogue/control/classdetspage) The Universe and Everything, 10 credits, Semester 2, Monday 1-2pm and Friday 1-2pm

(Maths and Physics not required as prerequisites)

[59101](http://ben.mis.strath.ac.uk/classcatalogue/control/classdetspage) Use and Abuse of Drugs in Society, 10 credits, Semester 2, Monday 1-2pm and Friday 1-2pm

[57102](http://ben.mis.strath.ac.uk/classcatalogue/control/classdetspage) Herbal Medicines, Past, Present & Future. (Do They Work And Are They Safe?), 10 credits, Semester 2, Tuesday 12-1pm and Thursday 1-2pm

[QQ210](http://ben.mis.strath.ac.uk/classcatalogue/control/classdetspag) 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) This is the same class as CS108 but a different code is used for 2nd year students and class assessment will reflect the year of study. 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](http://ben.mis.strath.ac.uk/classcatalogue/control/classdetspage) Introduction to Engineering, 10 credits, Semester 2, Tuesday 10-11am and Thursday 10-11am

[99202](http://ben.mis.strath.ac.uk/classcatalogue/control/classdetspage) 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](https://ben.mis.strath.ac.uk/classcatalogue/control/showclass?uiocode=119069&crdscheme=NEW%20STRATH%20STANDARD&show=all) 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](http://ben.mis.strath.ac.uk/classcatalogue/control/classdetspage) 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](http://ben.mis.strath.ac.uk/classcatalogue/control/classdetspage) Pharmaceutical Sciences and Drug Development, 10 credits, Semester 1 and 2, Wednesday 9-10am

**20 credit electives**

[MS211](http://ben.mis.strath.ac.uk/classcatalogue/control/classdetspage) Managing Business Processes and Information Systems 20 credits, semester 2, Thursday 11-1 and Friday 3-5 (if MS108 and MS109 taken and passed in 1st year). The Fri 10am tutorial is the only one which does not clash with the compulsory timetable so you should ensure that you are placed in that slot.

**Modern Language elective classes**

All of these are 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 have registered for fits in with your other commitments.

**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 [evening and weekend programme](http://www.strath.ac.uk/cll/alp/ewp/). 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. [Guidance on selecting a CLL elective is available here,](https://local.cis.strath.ac.uk/wp/wp-content/uploads/2016/09/Open-Studies-Elective-Guidance_updated-290816.docx) Once you have established that there is a place available then you should print [this enrolment form](https://local.cis.strath.ac.uk/wp/wp-content/uploads/2016/09/Open-Studies-Elective-Form.doc.docx) , fill in the details, using the class code from the CLL [evening and weekend programme](http://www.strath.ac.uk/cll/alp/ewp/) You then require to get a signature from CIS from Isla Ross or Alex Coddington. You should then return the form to CLL in order to be registered for the class.

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 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.)

**BIS students**

The same advice as above applies to BIS students (preferably choose a 10 credit semester 2 elective).

In addition to the choices above (but please check there is no clash with your compulsory classes) you may also pick from 10 credit semester 2 class CS212 Topics in Computing 2 Wed 10am-1pm or semester 1 class CS215 Combinatorics for Computer Science 2 Tues 10am-1pm as your elective. (These are compulsory classes for BSc(Hons) CS and SE.)

*Last updated 19-9-2016*