

# Guide to Undergraduate Studies: Music Computing 2015-16

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This guide is to be read in conjunction with the Undergraduate Handbook from the Computing and Music Departments. I have endeavoured to ensure that this guide is correct, but in the event of any inconsistency existing between information provided here and in either the Programme or the General Regulations, the Programme and the General Regulations shall govern in all cases.

This guide explains:

- What you will Study. An overview of our programmes
- How you will be assessed
- Who to go to if you need help
- Where to get information about your studies

Your programme leader is Dr. Freida Abtan and you can contact her by email on [f.abtan@gold.ac.uk](mailto:f.abtan@gold.ac.uk). Her office is in Room 7, 26 Laurie Grove.

## What you study

The following sections describe the structure of the Music Computing degree programme and the modules that make them up.

Music Computing is shared between the Departments of Music and Computing. You will take elements from each department as well as a special Music Computing component.

This guide will explain the elements of those programmes that are taken in the Department of Computing.

The degree is divided into three levels. The various modules available are listed below. All modules are 15 credits unless indicated otherwise. Please note that some modules listed may not be offered every year, and new modules may be added.

Core modules establish all the key areas of this innovative subject; these culminate in a final year Music Computing Major Project. The programme allows you to identify and develop your strengths and interests by choosing various specialist options in the Department of Music and Computing. Your project topic will determine the award of either BMus (Hons) or BSc (Hons).

For overviews of music modules, please contact the Music department. For modules with codes beginning IS you will be able to find module overviews on the Department of Computing Intranet:

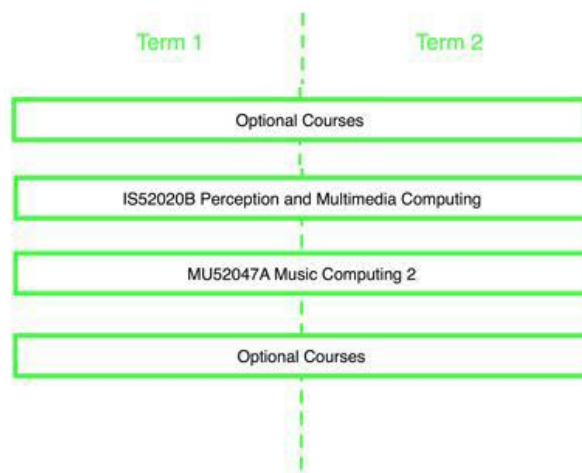
<https://www.doc.gold.ac.uk/dept/Intranet> (login required)

### LEVEL 1

Code	Title	Credits	Term	Co-ordinator
MU51024A	Approaches to Contemporary Music	15	2	Tom Perchard
MU51057A	Live Performance Systems	15	1&2	Freida Abtan
<b>IS51008B</b>	Introduction to Programming	30	1&2	Marco Gillies
<b>IS51012A</b>	Introduction to Audio-visual Computing	15	2	Simon Katan
<b>MU51047A</b>	Music Computing 1	30	1&2	Freida Abtan
<b>IS51026A</b>	Numerical Maths	15	1	Andolie Marguerite

## LEVEL 2

At level 2 your programme structure will be:



1) You take the following compulsory modules:

IS52020B	Perception & Multimedia Computing (TERMS 1 & 2)	30CATS
MU52047A	Music Computing 2 (TERMS 1 & 2)	30CATS

2) You then select Music modules to the value of 30 CATS from:

TERM 1 (all modules are 15CATS)

- MU52064A Aesthetics, Meaning & Culture
- MU52020B Music and Identity
- MU52016B Musicians, Commerce and Commodification
- MU52037B Music in Film (**co-requisite for Media Composition**)
- MU52061A Techniques of Contemporary Composition (**co-requisite for Composition: Creative Strategies**)
- MU52036B Techniques in Jazz and Popular Music (**co-requisite for Arranging in Jazz and Popular Music**)
- MU52024B Sonic Arts Techniques (**co-requisite for Sonic Art Practice**)

TERM 2

- MU52025B Popular Music Production
- MU52065A Mapping 20<sup>th</sup> Century Music
- MU52023B Composition: Creative Strategies
- MU52029C Media Composition
- MU52046A Music of Africa and Asia
- MU52028C Sonic Art Practice
- MU52040B Arranging in Jazz and Popular Music

3) and Computing modules to the value of 15CATS from:

• IS52028A	Principles & Applications of Programming (TERMS 1 & 2)	30CATS
• IS52028B	Principles & Applications of Programming 1 (TERM 1)	15CATS
• IS52027B	Programming for Dynamic Websites (TERM 2)	15CATS
• IS52030A	Creative Projects (TERM 1 & 2)	30CATS

4) and an extra 15CATS from either list above.

You must take a minimum of 45 CATS in each term, in order to balance your workload. **PLEASE NOTE:** Students who wish to complete a Bsc **MUST** complete either IS52028A or IS52028B Principles & Applications of Programming or IS52030A Creative Projects to progress to third year Computing electives.

## LEVEL 3

You take one of these two core modules: this choice determines the name of the final award, either B.Mus. or BSc.

<b>MU53043</b>	<b>Major Project: Music</b> (Terms 1, 2, 3)	<b>60 CATS</b>
<b>IS53043A</b>	<b>Major Project: Computing</b> (Terms 1, 2, 3)	<b>60 CATS</b>

You also select a total of **60 CATS** from Groups C & D.

### GROUP C

#### ALL MODULES = 15 CATS

Computing options:

(for descriptions, consult Department of Computing or [www.doc.gold.ac.uk/dept/CourseInfo](http://www.doc.gold.ac.uk/dept/CourseInfo))

- IS53032A Advanced Graphics and Animation
- IS53027C Advanced Audiovisual Processing
- IS53024A Artificial Intelligence
- IS51036A Introduction to Natural Language Processing
- IS53030A Physical Computing
- IS53013A Electronic Commerce
- IS53034A Interaction Design
- IS53011A Language Design and Implementation
- IS53012A Computer Security
- IS53023B Data Mining
- IS53049A Game AI Programming
- IS53048A Data Visualisation and the Web
- IS53002A Neural Networks
- IS53010A Data Compression
- IM53000A Innovation Case Studies (taught by the Institute of Management Studies)

### GROUP D

#### ALL MODULES = 15 CATS

Music options:

#### TERM 1

- MU53009A Minimalism & Postminimalism
- MU53018B Phonography (**Pre-requisite: Sonic Art Techniques**)
- MU53059A Creative Orchestration and Arrangement (**Pre-requisite: L2 Arranging in Jazz and Popular Music**)
- MU53062A Music/Modernities
- MU53060A Audiovisual Composition
- MU53061A Outsider Sound: Fringe Aesthetics in Popular Music

#### TERM 2

- MU53033A Narrative, Representation and Popular Song
- MU53063A Musical Structure and Understanding
- PS53036B Psychological Approaches to Music
- MU53023A Live Electronics (**Pre-requisite: L2 Sonic Art Techniques**)

### Criteria for awarding a BMus or BSc

To earn a BSc, a minimum of 30 Credits from Group C courses and IS53043A Major Project: Computing (60 credits) is required. For a Bmus, a minimum of 30 Credits from Group D courses and MU53043A Major Project: Music (60 credits) is required.

If the criteria are not met, the award of either BSc or BMus will be proposed by the student, with the advice of his or her personal tutor, and agreed by the Programme Convener no later than the end of Term 2 of the final year of study.

## **Attendance**

Attendance at your timetabled teaching sessions is compulsory. We monitor your attendance by registers at all classes.

The procedures for monitoring student attendance has been formulated around the College regulation 9.7:

*“Students who absent themselves totally for more than two weeks from their programme and have not supplied a medical certificate or other evidence acceptable to the College to cover such an absence shall be deemed to have withdrawn from the College”*

If we find that you have not attended for two weeks we will ask you to attend a meeting of our students support team who will give you help and support in improving your attendance. If you do not attend this meeting, and do not give adequate reasons for your absence, you will be withdrawn from your course.

## **Meeting with Personal Tutors and Probation**

Every 5 weeks (or bi-termly) you will be expected to meet with their personal tutor to discuss your academic progress. At these meetings you will discuss your attendance at classes and your performance at assessments. If your tutor finds that you have not been attending sufficiently you will be put on probation for the following 5 weeks in which case your attendance will be closely monitored. If your attendance does not improve during the probation period, you may be withdrawn from your course