Computer Science Study Abroad - An Introduction

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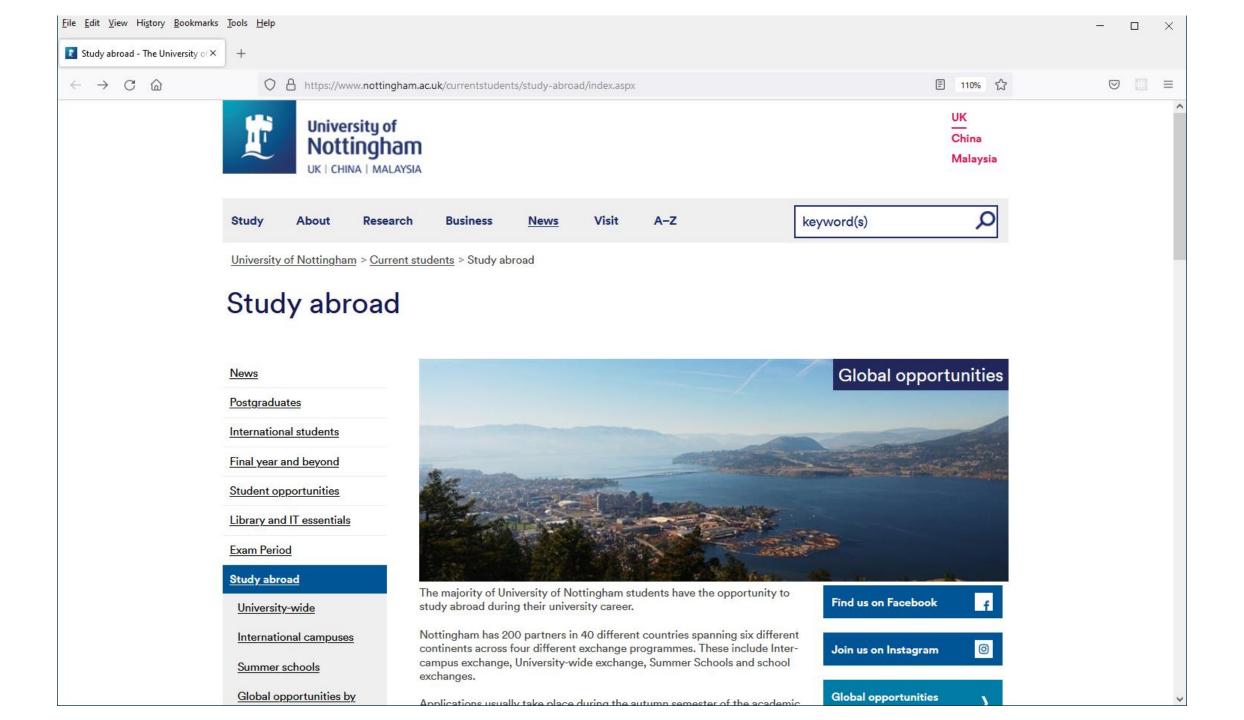


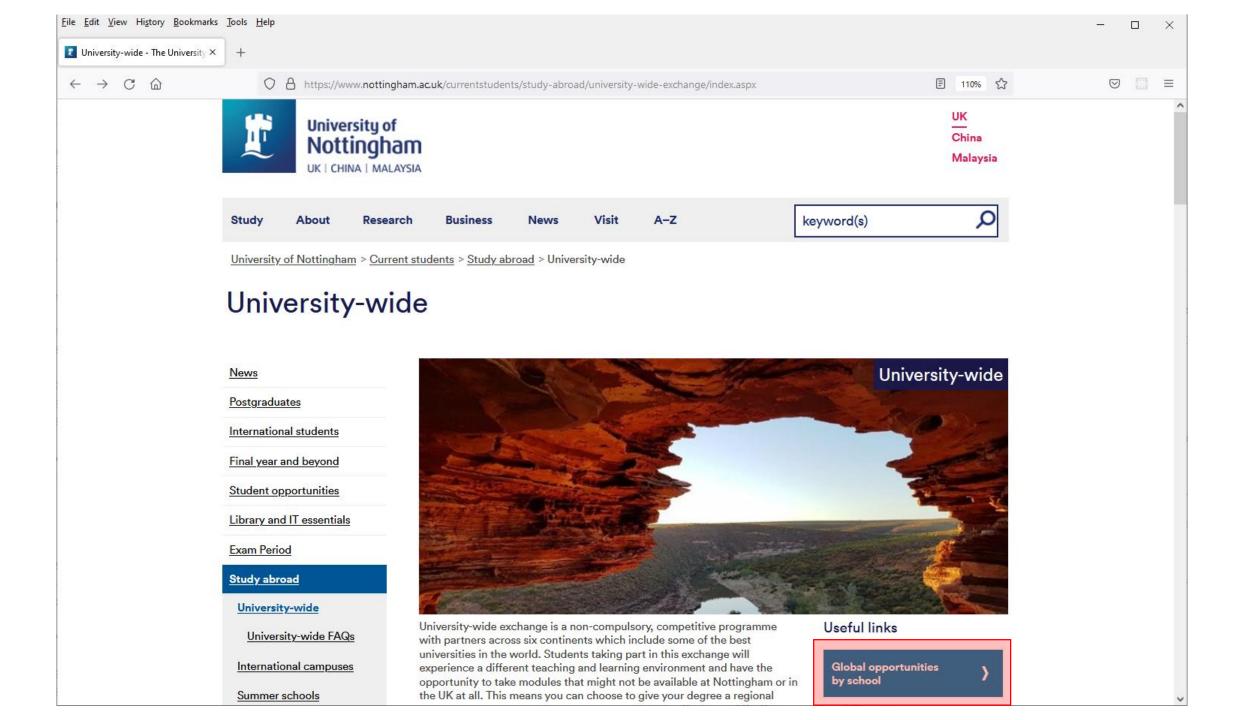
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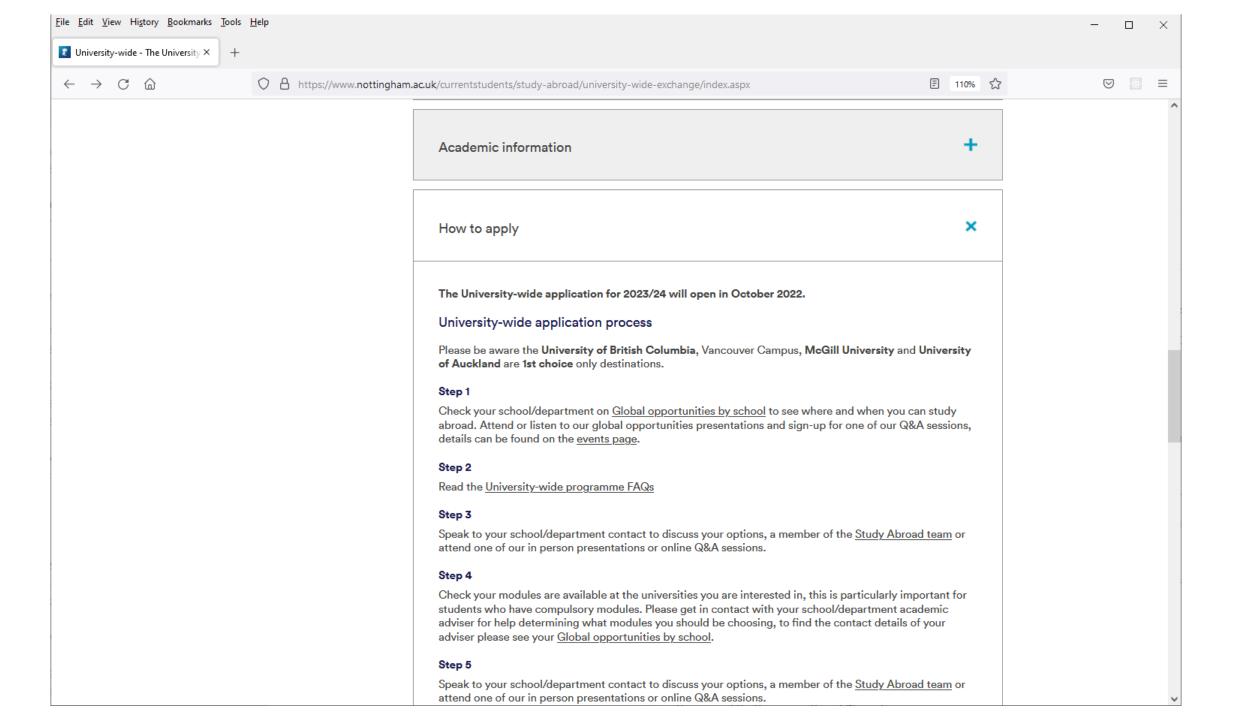
My Role

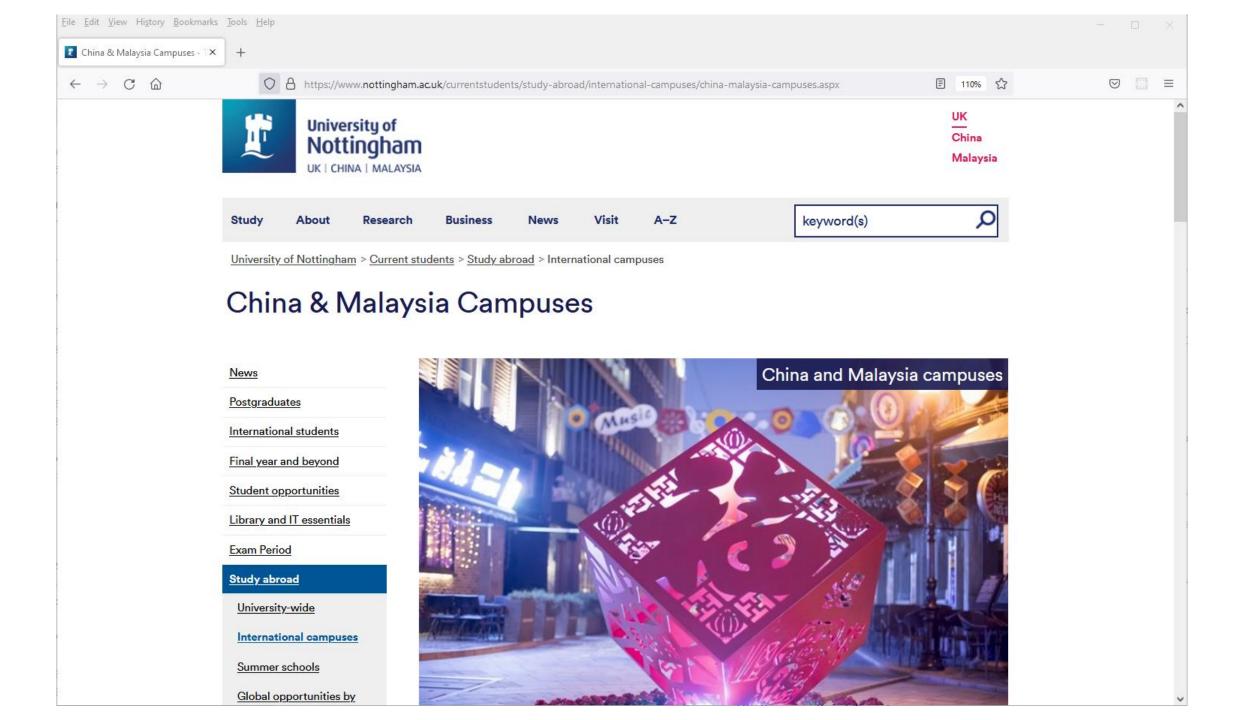
- Study Abroad Academic Advisor for Computer Science
 - Provide academic advice on studying abroad
 - Administrative support provided by the Study Abroad team (<u>studyabroad@nottingham.ac.uk</u>)
 - Ensure students study broadly equivalent modules
 - Arrange academic references (these come from your personal tutors, but I will arrange that)
 - Point of contact and support during study abroad period (for academic questions)
 - Convert host institution grades to UoN grades

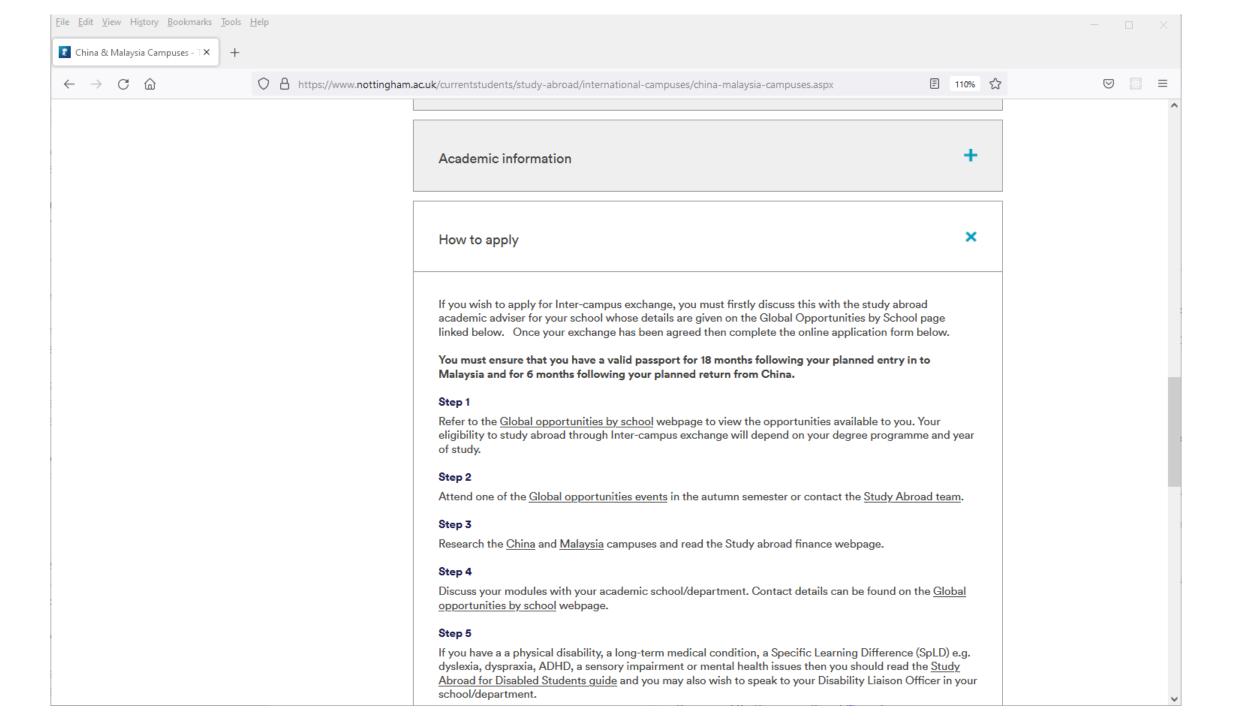


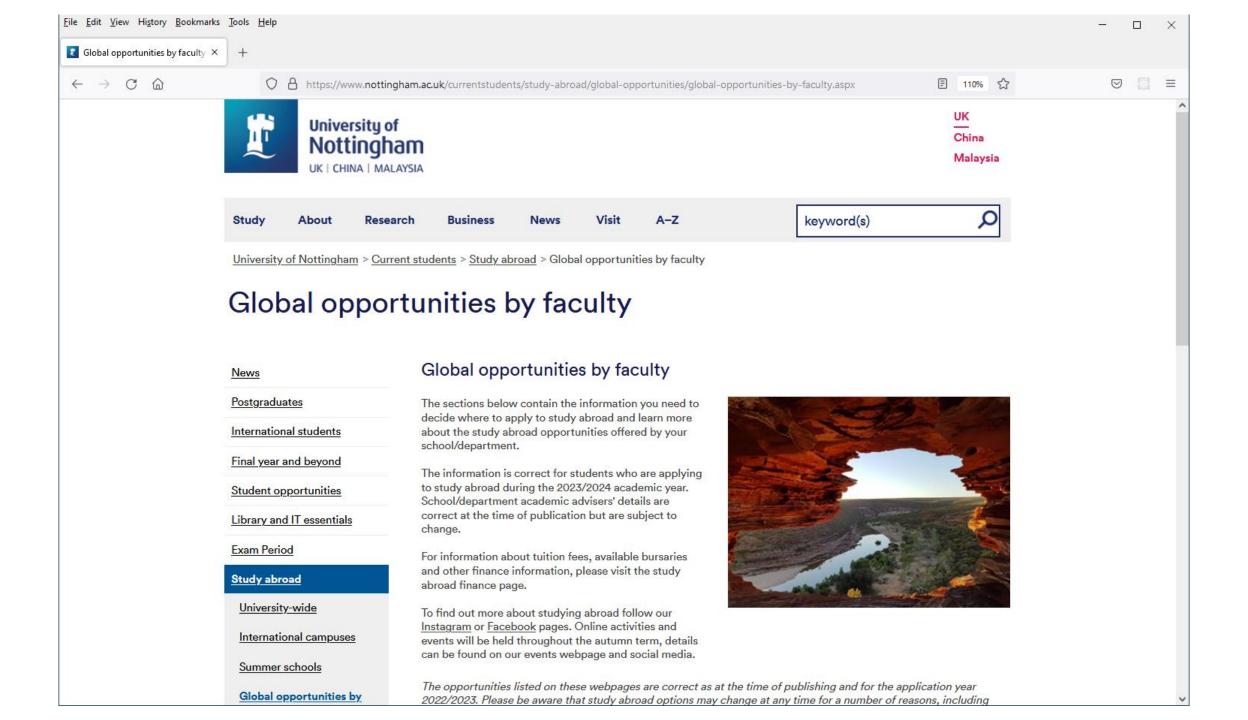


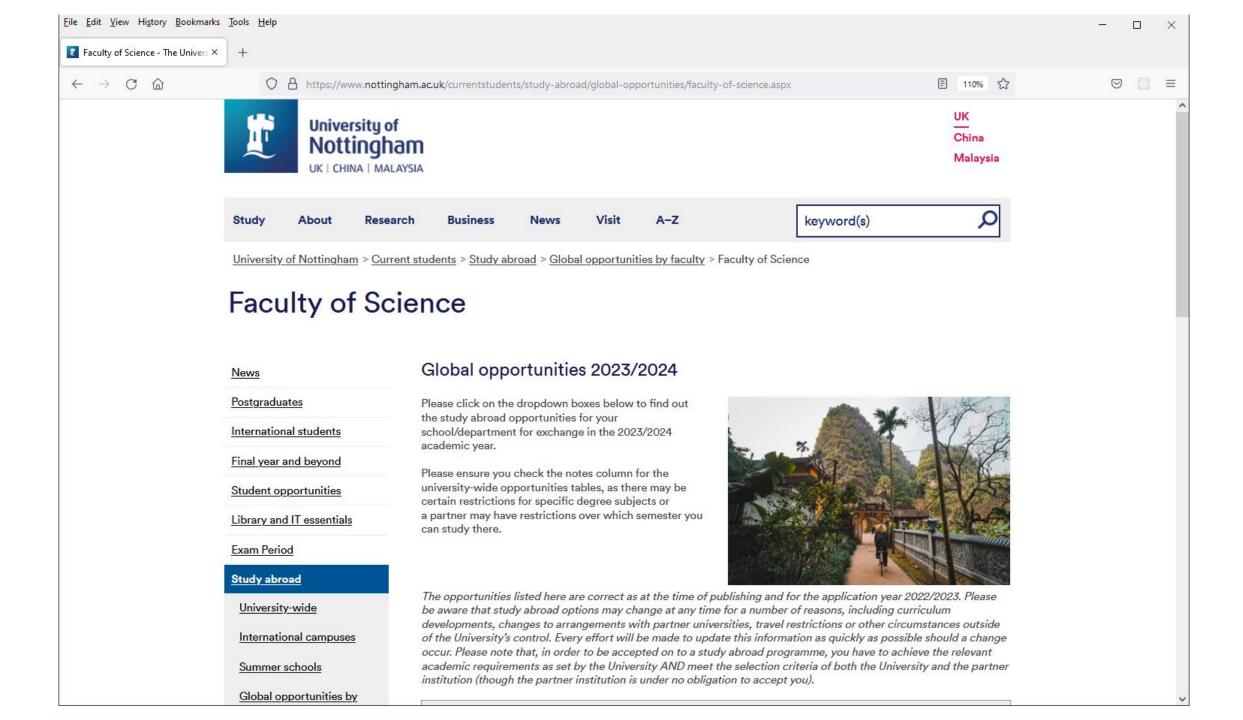


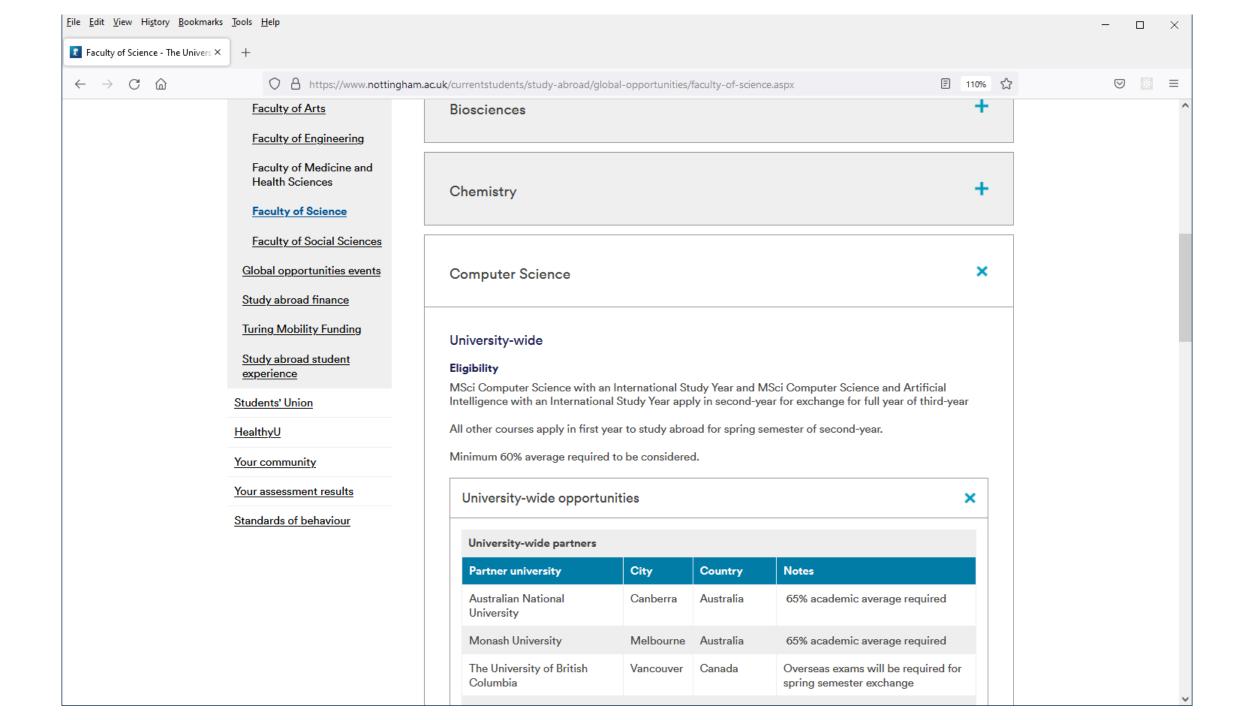












Exchange Programmes

- Two exchange programmes
 - University-wide exchange program
 - Inter-campus exchange program {Malaysia & Ningbo}
- Different application processes
- Different timings
- Different levels of success



University-wide Exchange Programme

- MSci CompSci IntY and MSci CompSci Al IntY:
 - Apply in Y2 to study abroad for full Y3
 - Requirement to be considered: Academic average of 60+% (Y1 + Y2 Autumn)
 - Application deadline: Jan 2023 for study in Autumn 2023 + Spring 2024
- All other (BSc and MSci) programmes:
 - Apply in Y1 to study abroad for spring semester of Y2
 - Requirement to be considered: Academic average of 60+% (Y1 Autumn)
 - Application deadline: Jan 2023 for study in Spring 2024
- Applications open Nov 2022
- Apply through Study Abroad team



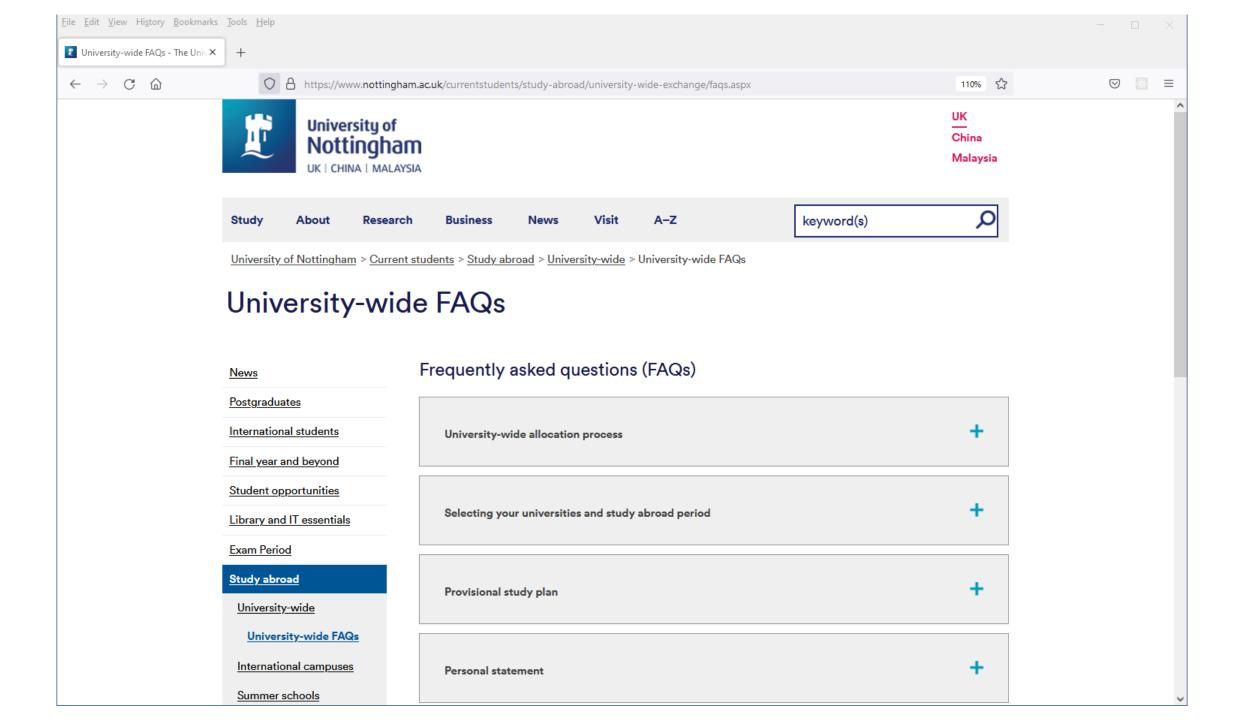
University-wide opportunities



University-wide partners

Partner university	City	Country	Notes
Australian National University	Canberra	Australia	65% academic average required
Monash University	Melbourne	Australia	65% academic average required
The University of British Columbia	Vancouver	Canada	Overseas exams will be required for spring semester exchange
The University of British Columbia, Okanagan	Kelowna	Canada	Overseas exams will be required for spring semester exchange
University of Toronto, Scarborough	Toronto	Canada	Overseas exams will be required for spring semester exchange
City University of Hong Kong	Hong Kong	China	Teaching is in English Overseas exams will be required for spring semester exchange
The University of Hong Kong	Hong Kong	China	Teaching is in English Overseas exams will be required for spring semester exchange
University College Dublin	Dublin	Republic or Ireland	Overseas exams will be required for spring semester exchange
Tecnológico de Monterrey	Various	Mexico	Teaching is in English
The University of Auckland	Auckland	New Zealand	Spring semester only





U7UCMPSC - Part II

Compulsory - ** Students must take all modules in this group. **

Code	Title	Credits	Compensatable	Taught
COMP3020	Professional Ethics in Computing	10.00	Υ	Autumn UK
COMP3006	Computer Security	10.00	Υ	Spring UK

U7UCMPSC - PII - Restricted - Group 2

Students can take a maximum of 20 credits from this group

Code	Title	Credits	Compensatable	Taught
COMP3017	Schools Experience	10.00	Y	Autumn UK
COMP3016	Industrial Experience	10.00	Y	Autumn UK
COMP3015	Development Experience	10.00	Y	Autumn UK
COMP3017	Schools Experience	10.00	Y	Spring UK
COMP3016	Industrial Experience	10.00	Υ	Spring UK
COMP3015	Development Experience	10.00	Y	Spring UK

Credit Total: 60

U7UCMPSC - PII - Restricted - Group I

Level 3 options.

Students must take a minimum of 80 and a maximum of 100 credits from this group.

Code	Title	Credits	Compensatable	Taught
COMP3008	Knowledge Representation and Reasoning	20.00	Υ	Autumn UK
COMP3012	Compilers	10.00	Υ	Autumn UK
COMP3010	Collaboration and Communication Technologies	10.00	Υ	Autumn UK
COMP3013	Software Quality Assurance	10.00	Υ	Autumn UK
COMP3014	Collaboration and Communication Technologies Development Project	10.00	Υ	Autumn UK
COMP3009	Machine Learning	20.00	Y	Autumn UK
COMP4019	Advanced Algorithms and Data Structures	10.00	Y	Autumn UK
COMP3018	Mobile Device Programming	20.00	Y	Autumn UK
COMP4032	Advanced Computer Networks	20.00	Υ	Autumn UK
COMP4034	Autonomous Robotic Systems	20.00	Υ	Autumn UK
COMP4040	Project in Advanced Algorithms and Data Structures	10.00	Υ	Autumn UK
COMP4041	Linear and Discrete Optimization	20.00	Y	Autumn UK
COMP3074	Human-Al Interaction	20.00	Y	Autumn UK
COMP3003	Individual Dissertation	40.00	Υ	Full Year UK

COMP3001	Computability	10.00	Υ	Spring UK
COMP3004	Designing Intelligent Agents	20.00	Υ	Spring UK
COMP3007	Computer Vision	20.00	Υ	Spring UK
COMP4002	Games	20.00	Υ	Spring UK
COMP3011	Computer Graphics	20.00	Υ	Spring UK
COMP4030	Data Modelling and Analysis	20.00	Υ	Spring UK
COMP4033	Fuzzy Logic and Fuzzy Systems	20.00	Υ	Spring UK
COMP4036	Mixed Reality	20.00	Υ	Spring UK
COMP4038	Simulation and Optimisation for Decision Support	20.00	Υ	Spring UK
COMP3021	Fundamentals of Information Visualisation	10.00	Υ	Spring UK
COMP3022	Information Visualisation Project	10.00	Υ	Spring UK
COMP4074	Programs, Proofs and Types	20.00		Spring UK
COMP4101	Malware Analysis	10.00	Υ	Spring UK
COMP3077	Cryptography	10.00	Υ	Spring UK

Additional Course Choice:

Additional course choice should be minimum of 0 and a maximum of 20 credits from this group. For Part II, additional course choice can be a minimum of 0 credits and a maximum of 20 credits from other modules not listed in this spec, subject to the module being available to the student.



Learning Agreement

Proposed programme of study

Module Code	Module Title	Credits at partner	Nottingham Module to be replaced (if appropriate)	Module credits to be transferred back to Nottingham Confirm credit amount
COMP3271	Computer Graphics	6	COMP3011	20
COMP3314	Machine Learning	6	COMP3009	20
COMP3355	Cyber Security	6	COMP3006	10
CCST9027	The Science of Irrational Thinking	6	N/A	N/A
CCHU9081	Urban Legend: Fact, Myth and Reinterpretation	6	N/A	N/A
COMP3317	Computer Vision	6	COMP3007	20
COMP3357	Cryptography	6	COMP3077	10
COMP3356	Robotics	6	COMP4034	20
COMP3329	Computer Game Design and Programming	6	COMP4002	20
To	otal number of credits:	60		120



ACADEMIC YEAR 2019/2020 SEMESTER 1

CS2107	INTRODUCTION TO INFORMATION SECURITY	B- 101 B-	4.00
CS3210	PARALLEL COMPUTING	B Willey	4.00
CS4243	COMPUTER VISION AND PATTERN RECOGNITION	B+	4.00
CS4246	AI PLANNING AND DECISION MAKING	C	4.00

ACADEMIC YEAR 2019/2020 SEMESTER 2

			107 理
CS2108	INTRODUCTION TO MEDIA COMPUTING	B Marin	4.00
CS3211	PARALLEL AND CONCURRENT PROGRAMMING	Α	4.00
CS4244	KNOWLEDGE REPRESENTATION AND REASONING	C+	4.00
IT3011	INTRODUCTION TO MACHINE LEARNING AND APPLICATIONS	B+	4.00

SUGGESTED GRADE CONVERSION FOR THE NATIONAL UNIVERSITY OF SINGAPORE

NUS Grade	NUS Grade Point	Nottingham %	Nottingham Class
A+	5.0	80+	1st
Α	5.0	75-79	1st
A-	4.5	70-74	1st
B+	4.0	67-69	2:1
В	3.5	64-66	2:1
B-	3.0	60-63	2:1
C+	2.5	57-59	2:2
С	2.0	54-56	2:2
C C-		50-53	3rd
D+	1.5	46-49	3rd
D	1.0	43-45	3rd
D-		40-42	3rd
F (Fail)	0	0-39	Fail

Module Title (from exchange institution)#	Semester	Level	Credit Value	Overall Mark
CS2107 Introduction To Information Security	Autumn	3	10	62
CS3210 Parallel Computing	Autumn	3	20	65
CS4243 Computer Vision And Pattern Recognition	Autumn	3	20	68
CS4246 AI Planning And Decision Making	Autumn	3	20	55
CS2108 Introduction To Media Computing	Spring	3	10	65
CS3211 Parallel And Concurrent Programming	Spring	3	20	77
CS4244 Knowledge Representation And Reasoning	Spring	4	10	58
IT3011 Introduction To Machine Learning And Applications	Spring	3	10	68



Inter-campus Exchange Programme

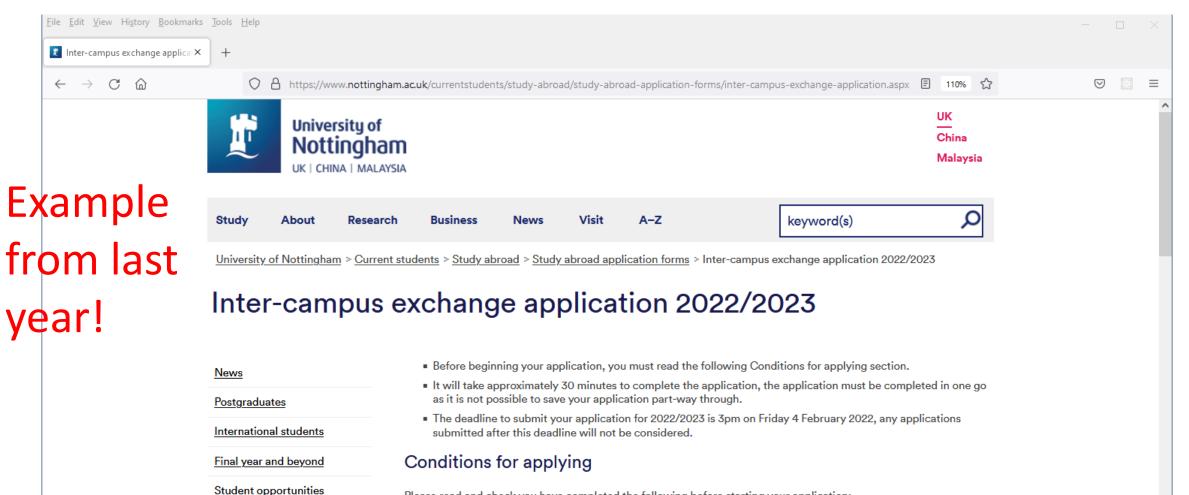
- University of Nottingham Malaysia
 - BSc CompSci + BSc CompSci AI
 - Apply in Y1 to study abroad for a single semester of Y2 or full Y2
 - Minimum 55% academic average required to be considered (Y1 Autumn)
 - Application deadline: Feb 2023 for study in Autumn 2023 or Spring 2024 or both
- Applications open Nov 2022
- Apply through School, which will forward it to Study Abroad team



Inter-campus Exchange Programme

- University of Nottingham Ningbo China
 - BSc CompSci + MSci CompSci + BSc CompSci AI + MSci CompSci AI
 - Apply in Y1 to study abroad for single semester of Y2 or full Y2
 - Minimum 55% academic average required to be considered (Y1 Autumn)
 - Application deadline: Feb 2023 for study in Autumn 2023 or Spring 2024 or both
 - MSci CompSci + MSci CompSci AI + MSci CompSci IntY + MSci CompSci AI IntY
 - Apply in Y2 to study abroad for spring semester of Y3 (MSci CompSci + MSci CompSci AI) or full Y3 (MSci CompSci IntY + MSci CompSci AI IntY)
 - Minimum 55% academic average required to be considered (Y1 + Y2 Autumn)
 - Application deadline: Feb 2023 for study in Autumn 2023 or Spring 2024 or both
- Applications open Nov 2022
- Apply through School, which will forward it to Study Abroad team





Please read and check you have completed the following before starting your application:

- You have read your school/department Global opportunities webpage to check your school/department permits exchange to either the China or Malaysia Campus and you are in the appropriate year of study to apply for Intercampus exchange as confirmed on your school/department Global opportunities webpage.
- You have sresearched the appropriate compulsory and/or optional modules for your proposed study abroad period at the relevant host campus.
- You have read the Study abroad finance webpage and researched an approximate budget for your proposed study abroad period.
- You have read and understood the Data Protection information below.

Library and IT essentials

Exam Period

Study abroad

University-wide

Summer schools

International campuses

Global opportunities by

- Applicants who have not achieved an overall minimum of 50% in their academic average, including assessment results from autumn semester 2021, may not be considered, unless you have official extenuating circumstances accepted by your school/department at the time of application.
- If you have a physical disability a long-term modical condition, a Specific Learning Difference (Spl. D), a

Things to consider

- Start your application early no application reminders
 - University-wide: Process
 - Inter-campus: Application form
- Apply for both University-wide and Inter-campus programmes
- Check out Study Abroad events (some are recorded)
 - https://www.nottingham.ac.uk/currentstudents/study-abroad/events/events.aspx
- Talk to students who have been abroad
- Have a contingency plan (should travel not be possible)
 - Register on UNUK modules
- Do the background research
 - https://www.nottingham.ac.uk/currentstudents/study-abroad/index.aspx



- Is it more expensive to study abroad? It does not need to be! You pay UoN fees;
 added costs of flights; cost of living > check the study abroad website
- How to change course to study abroad? If you meet the minimum requirements
 (e.g. 60% hurdle) you can contact Student Services and ask them to change it for
 you > change from BSc to MSci with International Year
- Does the university help with language barriers? Teaching in English; your responsibility to take some language courses to survive outside the university; ask Study Abroad Team if they have recommendations for courses or provide financial support for this



- Does the partner university decide who comes or does UoN make the choice who goes?
 - University-wide program: Study Abroad Team makes the decision (perhaps together with the partner university > not sure)
 - Inter-campus program: I make the decision together with the Director of Teaching in Malaysia/China
- If the university does not teach in English ...? All partner universities speak in English and you can only study abroad at CompSci partner institutions
- Can I do the university-wide exchange program as BSc? No, you need to be on the MSci with International Year; you can change your program of study easily
- MSci goes abroad for a full year, but is there a way to go to a university that only offers spring semester exchange? No!



- If I only want to study one semester abroad do I need to change my course to MSci with International Year? University-wide program requires MSci; otherwise BSc or MSci work, but not MSci with International Year
- When do we hear if we are going?
 - University-wide program: March 2023 (as far as I know)
 - Inter-campus program: March 2023 (as far as I know)
 - You can always withdraw from a program if you are successful in your more favourable one
- Do we study the same modules than students in the UK? No, but we make sure
 they are equivalent; you study broadly the same curriculum; you have to choose
 the equivalent modules at the host institution; I will approve your module choices
 before you go; we will check that you have selected modules that fulfil these
 requirements



- Can you study MSci with International Year and Year in Industry? No!
- Can I use MSci with Year in Industry as a backup plan? Might be issues with timing

 best to ask Kristian Spoerer (pszks@exmail.nottingham.ac.uk)

Any more questions?

Don't forget to check the Study Abroad website!

https://www.nottingham.ac.uk/currentstudents/study-abroad/index.aspx

https://www.nottingham.ac.uk/currentstudents/study-abroad/university-wide-exchange/faqs.aspx

