

Guideline of application of course exemption and credit transfer for courses offered by the School of Science and Engineering (SSE)

1. A partner institution is defined as a comparable university on the list of collaborating institutions provided by the Office of Academic Links (OAL). In case an institution is not in the database, SSE has the discretion to decide whether it is an approved counterpart or not.
2. As the regulation of “General Regulations Governing Undergraduate Studies for Students admitted by CUHK(SZ)-1.2”, a student shall not be registered simultaneously for another course of study or research leading to the award of a degree, diploma or certificate at CUHK or any other tertiary institution except by prior permission of the CUHK Senate. A Student in breach of this regulation shall be required to discontinue studies, unit exemption or credit transfer will not be accepted.
3. The course taken at the partner institution should be taught in English.
4. If a course taken at a partner institution is highly similar (around 75% or more of overlapping in content) to an existing SSE course, students may apply to SSE for course exemption and credit transfer upon officially attaining credits at the partner institution.
5. The prerequisite(s) of the equivalent SSE course should have been fulfilled to process the application.
6. If the student has already taken an SSE course at CUHK(SZ), and then takes a similar course (over 25% of overlapping in content) at a partner university, that course taken outside cannot be transferred back for credit.
7. If the course taken at the partner institution is equivalent to a course offered by other school at CUHK(SZ), the student should make application to the related school accordingly.
8. If no equivalent course at CUHK(SZ) is available, an SSE student may make application for transferring the course taken into the corresponding category of ‘Major Electives’, or ‘Free Elective’ course, whichever is appropriate.
9. For credit exemption of ‘Major Electives’ and ‘Free Elective’ courses, student should make application in the second year of study after declaring the major/academic plan.
10. For the credit transfer for equivalent course(s) (with detailed course code), the application will be handled by the school offering the course. For the credit transfer for ‘Major Electives’ or ‘Free Elective’ course (without detailed course code) will be handled by the home school of the student.
11. For the credit transfer for equivalent course(s) or major elective area, students could approach programme directors or related course instructors for content checking before registering the course(s) in the partner institution. Please note the pre-approval cannot be guaranteed. One may refer to the feedbacks from director/instructor when choosing courses.
12. As the course content, study load, teaching method, and assessment scheme could be different, there is no strict rule in credit transfer. For instance, a 3-credit course in a certain institution may only convert back as 2- credit, or vice versa. Normally, School will check the contact/lecture hour first:

- (a) If the total lecture hours of the course are around 42, students can try to apply for 3 credits;
 - (b) If the total lecture hours of the course are around 28, students can try to apply for 2 credits;
 - (c) If the total lecture hours of the course are around 14, students can try to apply for 1 credit.
 - (d) There is no course with more than 3 credits in CUHK(SZ), student can only transfer 1/2/3 credit(s) per course.
13. In principle, all credit transfer applications are considered on a case-by-case basis. Applicant should not assume successful application for granted. The result should be checked in SIS.
14. The application should be made with supporting documents including official transcript from the partner institution, course outline, materials of course content, information on contact hours & course workload, the applicant's own unofficial transcript at CUHK(SZ), etc.
15. All applications should be processed in SIS system, and the nominal approval cycle for course exemption and credit transfer is four (4) working weeks.
16. For further information, please consult OAL or School Office.

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** This guideline is subject to approval by Curriculum Committee, SSE.*

** SSE reserves the right of final interpretation for the content and items hereinabove.*

Summary of Course Equivalence Information of Successful Credit Transfer from Summer Programme(updated to Feb, 2023)

Remark: The record is for information only. It could be updated and subject to revision. SSE reserves the right of final interpretation for the content. Students should submit the official application for course & unit exemptions together with course outlines, official transcripts and other supporting documents (if any) to SSE in the semester following the Summer Programme. Final decision will rest on the school concerned.

Partner Institution	Course Code (Partner Institution)	Course Title (Partner Institution)	CUHK(SZ) Course Code	CUHK(SZ) Course Title	Remark
Nanyang Technological University	CZ3006	Net Centric Computing	ECE4016	Computer Networks	
National University of Singapore	CS3235	Computer Security	EIE4007	Computer and Network Security	
National University of Singapore	CS5240	Theo Foundations in Multimedia	EIE4190	Multimedia Coding and Networking	
National University of Singapore	EE2023	Signals and Systems	EIE3001	Signals and Systems	
National University of Singapore	EE3408C	Integrated Analog Design	EIE3202	Analog Integrated Circuits	
National University of Singapore	MA3220	Ordinary Differential Equation	MAT2002	Ordinary Differential Equations	
Technical University of Munich	MA3241	Topology	MAT4002	Introduction to Geometry and Topology	
The University of British Columbia	N/A	Introduction to Digital Technology	EIE3080	Microprocessors and Computer Systems	
The University of British Columbia	MATH221	Matrix Algebra	MAT2040	Linear Algebra	
The University of British Columbia	MATH418	Probability I	MAT3280	Probability Theory	
The University of Melbourne	MAST20026	Real Analysis	MAT3006	Real Analysis	
University of California at Los Angeles	MATH142	Mathematical modeling	MAT3300	Mathematical modeling	
University of California, Berkeley	CS161	Computer Security	EIE4007	Computer and Network Security	
University of California, Berkeley	MATH 126	Introduction to Partial Differential Equation	MAT4220	Partial Differential Equation	
University of California, Berkeley	MATH128A	Numerical Analysis	MAT4001	Numerical Analysis	
University of California, Berkeley	MATH113	Introduction to Abstract Algebra	MAT3004	Abstract Algebra I	
University of California, Berkeley	MATH123	Ordinary Differential Equation	MAT2002	Ordinary Differential Equations	
University of California, Berkeley	MATH185	Introduction to Complex Analysis	MAT3253	Complex Variables	
University of California, Berkeley	MSE200	Survey Of Material Science	MSE3007	Electronic, Optical, and Magnetic Properties of Materials	
University of California, Berkeley	CHEM3A	Chemical Structure and Reactive	CHM2310	Organic Chemistry I	
University of California, Berkeley	MECENG154	Thermophysics for Applications	ENE4003	Energy Conversion Processes	
University of California, Berkeley	MATH N54	Linear Algebra and Differential Equations	MAT2040	Linear Algebra	
University of California, Berkeley	MATH110	Linear Algebra	MAT3040	Advanced Linear Algebra	

University of California, Irvine	OMPSCI151	Digital Logic Design	EIE2050	Digital Logic and Systems	
University of California, Irvine	MATH 3A	Linear Algebra	MAT2040	Linear Algebra	
University of California, Los Angeles	MATH142	Mathematical Modeling	MAT3300	Mathematical modeling	
University of California, Los Angeles	PHYSICS 6B	Waves, Electricity, and Magnet	PHY2001	Electricity and Magnetism	
University of California, San Diego	MATH18	Linear Algebra	MAT2040	Linear Algebra	
University of Michigan	STATS510	Probability and Distribution Theory	MAT3280	Probability Theory	
University of Minnesota	CHEM2301	Organic Chemistry I	CHM2310	Organic Chemistry I	
University of Minnesota	CSCI4211	Introduction to Computer Network	EIE4180	Network Software Design and Programming	
University of Minnesota	EE4501	Communications Systems	EIE4002	Digital Communications	
University of Minnesota	EE3115	Analog electronics	EIE3202	Analog Integrated Circuits	
University of Minnesota	CSCI4211	Introduction to Computer Networks	EIE4001	Introduction to Internet Engineering	
University of Minnesota	MATH4242	Applied Linear Algebra	MAT2040	Linear Algebra	
University of Minnesota	EE4721	Power System Analysis	ENE3050	Electrical Power Systems	
University of Minnesota	ME3333	Heat Transfer	ENE3003	Heat and Mass Transfer for Energy Systems	
University of Minnesota	EE5624	Optical Electronics	PHY3007	Optoelectronics	
University of Minnesota	ME3331	Thermodynamics	PHY2002	Thermodynamics	
University of Wisconsin-Madison	MATH619	Partial Differential Equation	MAT4220	Partial Differential Equation	
University of Wisconsin-Madison	ECE353	Introduction to Microprocessor System	EIE3080	Microprocessors and Computer Systems	
University of Wisconsin-Madison	ECE203	Signals, Information, and Comp	EIE3001	Signals and Systems	
University of Wisconsin-Madison	MATH531	Probability Theory	MAT3280	Probability Theory	
University of Wisconsin-Madison	MATH551	Elementary Topology	MAT4002	Introduction to Geometry and Topology	
University of Wisconsin-Madison	MATH514	Numerical Analysis	MAT4001	Numerical Analysis	
University of Wisconsin-Madison	PHYSICS551	Solid State Physics	PHY4001	Solid-State Physics	
University of Wisconsin-Madison	ECE434	Photonics	PHY3007	Optoelectronics	
University of Wisconsin-Madison	PHYSICS531	Introduction to Quantum Mechan	PHY4221	Quantum Mechanics	
University of Wisconsin-Madison	ME361	Thermodynamics	PHY2002	Thermodynamics	
Purdue University	CHM26100	Organic Chemistry	CHM2310	Organic Chemistry I	
Purdue University	PHYS24100	Electricity Optics	PHY2001	Electricity and Magnetism	
Sungkyunkwan University	ISS3188	Electromagnetics	PHY2001	Electricity and Magnetism	
The London School of Economics and Political Scien	ME306	Real Analysis	MAT3006	Real Analysis	
The University of New South Wales	COMP6441	Security Engineering and Cyber	EIE4007	Computer and Network Security	
The University of New South Wales	PHYS2111	Quantum Physics	PHY3201	Quantum Physics	
University of Bristol	EENG26000	Electronics 2	EIE3202	Analog Integrated Circuits	
University of Pennsylvania	MATH420	Ordinary Differential Equation	MAT2002	Ordinary Differential Equations	

