



Department of Physics

香港城市大學
City University of Hong Kong

Bachelor of Science in Physics
理學士 (物理學)

Student Handbook

2024-2025

| TABLE OF CONTENTS | |
|--|------|
| | Page |
| 1. Aims of Major and Intended Learning Outcomes----- | 2 |
| 2. Degree Requirements----- | 4 |
| 2.1 Minimum Number of Credit Units Required for the Award and Maximum Number of Credit Units Permitted----- | 4 |
| 2.2 Gateway Education Requirement----- | 5 |
| 2.3 College/School Requirement----- | 7 |
| 2.4 English Language Requirement----- | 8 |
| 2.5 Chinese Language Requirement----- | 9 |
| 2.6 Major Requirement----- | 10 |
| 3. Recommended Study Plan----- | 16 |
| 3.1 For Normative 4 Year Students admitted to CityU in 2024/25---- | 16 |
| 3.2 For Advanced Standing I Students----- | 18 |
| 4. Academic Regulations----- | 19 |
| 5. Academic Honesty----- | 19 |
| 6. Assessment----- | 20 |
| 6.1 Mitigation----- | 20 |
| 6.2 Minimum CGPA Requirement for Graduation ----- | 20 |
| 6.3 Award Classifications----- | 21 |
| 6.4 Academic Regulations on Termination of Study----- | 21 |
| 7. Late Drop Policy----- | 21 |
| 8. Laboratory Safety----- | 22 |
| 9. Communication Channels----- | 23 |
| 10. Useful Information----- | 27 |
| 11. Student Development Services (SDS)----- | 29 |
| 12. Contact Us----- | 30 |
| 13. Other Information - Preventing Sexual Harassment----- | 30 |
| 14. Appendix: Academic Staff Profile----- | 31 |

August 2024

1. Aims of Major

This major is to provide Bachelor-level education for students with diverse background, to equip them with knowledge and skills related to Physics (such as computational physics, biomedical physics, financial physics, environmental physics, optics, materials technology), thus enabling them to pursue a diversified career path in medicine and health care, education, engineering, commercial and industrial sectors, or postgraduate study. The GREAT⁺ stream is designed for students who have a good and solid foundation in Physics. It aims to produce graduates interested in pursuing a career in scientific research or starting business ventures that involve the use of new scientific discoveries and innovative technologies. On completion of the major, graduates will be able to integrate knowledge learned in the major to support in at least an original discovery or creative design relevant to applied physics.

+ *Global Research Enrichment and Technopreneurship Programme (GREAT)*

Intended Learning Outcomes of Major (MILOs)

Upon successful completion of this major, students should be able to:

| No. | MILOs | Discovery-enriched curriculum related learning outcomes (please tick where appropriate) | | |
|-----|---|---|----|----|
| | | A1 | A2 | A3 |
| 1. | Apply knowledge of mathematics, physics, and engineering appropriate to the degree in Physics (with the focus on one or more of the areas in applied physics: environmental physics, optics, materials technology, and biomedical physics). This includes: (a) to design a component, a process or a system to meet desired needs within realistic constraints. (b) to identify, formulate, and solve physics and engineering problems. | ✓ | ✓ | |
| 2. | Design and conduct experiments, as well as analyze, interpret and present results. | | ✓ | ✓ |
| 3. | Use the techniques, skills, and modern Physics and engineering tools including computer/IT tools necessary for practices appropriate to the degree in Physics along with an understanding of their processes and limitations. | | ✓ | ✓ |
| 4. | Appreciate the impact of Physics and engineering applications in a global and societal context, especially the importance of health, safety and environmental considerations to both workers and the general public. | ✓ | ✓ | |
| 5. | Appreciate professional and ethical responsibility. | | | |
| 6. | Appreciate basic laws and principles of physics and to use this knowledge to explain everyday life examples and phenomena, to explain science to people not in the science and engineering discipline, and to educate the public in physics. | ✓ | | |
| 7. | Work in a multidisciplinary team. | | ✓ | |
| 8. | Communicate effectively. | | ✓ | |
| 9. | Recognize the need for, and to engage in life-long learning, including the ability to stay abreast of contemporary issues. | ✓ | ✓ | |
| 10. | Create an original discovery or design that are motivated from the major of study. | ✓ | ✓ | ✓ |
| 11. | Identify application values in research ideas and creative designs/ innovations motivated from physics. Transform the ideas/designs into practical research/business proposals or draft patent application for products. | ✓ | ✓ | ✓ |

A1: *Attitude*

Develop an attitude of discovery/innovation/creativity, as demonstrated by students possessing a strong sense of curiosity, asking questions actively, challenging assumptions or engaging in inquiry together with teachers.

A2: *Ability*

Develop the ability/skill needed to discover/innovate/create, as demonstrated by students possessing critical thinking skills to assess ideas, acquiring research skills, synthesizing knowledge across disciplines or applying academic knowledge to real-life problems.

A3: *Accomplishments*

Demonstrate accomplishments of discovery/innovation/creativity through producing/constructing creative works/new artefacts, effective solutions to real-life problems or new processes.

2. Degree Requirements

2.1. Minimum Number of Credit Units Required for the Award and Maximum Number of Credit Units Permitted

| Degree Requirements | Normative 4-year Degree | Advanced Standing I |
|--|--|---|
| Gateway Education requirement | 30 credit units | 21 credit units |
| College / School requirement | 6 credit units <u>GREAT⁺ stream</u> 13 credit units | waived |
| Major requirement | 66/65 [^] credit units (Core: 45/48; 50/53 [^] Elective: 21/18; 15/12 [^]) <u>GREAT⁺ stream</u> 54 credit units (Ordinary Route) 56 credit units (Enhanced Maths Route) | 66/65 [^] credit units (Core: 45/48; 50/53 [^] ; Elective: 21/18; 15/12 [^]) |
| Free electives / Minor (if applicable) | 18/19 [^] credit units <u>GREAT⁺ stream</u> 23 credit units (Ordinary Route) 21 credit units (Enhanced Maths Route) | 3/4 [^] credit units |
| Minimum number of credit units required for the award | 120 credit units | 90 credit units |
| Maximum number of credit units permitted | 144 credit units | 114 credit units |

[^] For students who are approved for taking the Enhanced Option of computation and maths courses.

+ Global Research Enrichment and Technopreneurship Programme (GREAT)

2.2. Gateway Education Requirement

| Curriculum Catalogue Term | Semester A 2022/23 onwards | |
|--|--|---|
| | Normative 4-year Degree | Advanced Standing I (Note 1) |
| <u>University requirements</u> | | |
| English | | |
| • GE1401 University English | 3 credit units | 3 credit units |
| • Discipline-specific English | 3 credit units | 3 credit units |
| GE1501 Chinese Civilisation – History and Philosophy | 3 credit units | 3 credit units |
| <u>Distributional requirements</u> Area 1: Arts and Humanities Area 2: Study of Societies, Social and Business Organisations Area 3: Science and Technology | 12 credit units <i>(At least one course from each of the three areas)</i> | 6 credit units <i>(From two different areas)</i> |
| <u>College/School-specified courses</u> ^ | 9 credit units | 6 credit units |
| Total | 30 credit units | 21 credit units |

^ College/School-specified courses:

| Course Code | Course Title | Level | Credit Units | Remarks |
|--------------------------------|--|-------|--------------|--|
| Normative 4-year Degree | | | | |
| MA1200/ MA1300 | Calculus and Basic Linear Algebra I/ Enhanced Calculus and Linear Algebra I | B1 | 3 | |
| MA1201/ MA1301 | Calculus and Basic Linear Algebra II/ Enhanced Calculus and Linear Algebra II | B1 | 3 | |
| CS1302* | Introduction to Computer Programming | B1 | 3 | |
| Advanced Standing I | | | | |
| CS1302* | Introduction to Computer Programming | B1 | 3 | Students who have attained equivalent qualifications may apply for exemption. They are required to complete any course of 3 credits (NOT within the major requirements including core courses and electives) to replace the exempted credits. |
| MA1201/ MA1301 | Calculus and Basic Linear Algebra II/ Enhanced Calculus and Linear Algebra II | B1 | 3 | Students may be considered for exemption subject to passing the placement test or recommendation of MA department. They are required to complete any course of 3 credits (NOT within the major requirements, including core courses and electives) to replace the exempted credits. |

* All BScPHY major students are required to take CS1302 Introduction to Computer Programming to fulfill the Gateway Education requirement.

2.3. College/School Requirement

(The catalogue term of the College/School requirement that students will follow will be the same as their admission term.)

| Course Code | Course Title | Level | Credit Units | Remarks |
|--|---|-------|--------------|---------|
| Normative 4-year Degree (6 credit units) | | | | |
| Choose two from the following four science courses subject areas: | | | | |
| <i>Physics (Mandatory)</i> | | | | |
| PHY1101 [#] | Introductory Classical Mechanics | B1 | 3 | |
| <i>Biology</i> | | | | |
| CHEM1200 | Discovery in Biology | B1 | 3 | |
| <i>Chemistry</i> | | | | |
| CHEM1101/ CHEM1300 | Introduction to Chemistry/ Principles of General Chemistry | B1 | 3/ 3 | |
| <i>Mathematics</i> | | | | |
| MA1501/ MA1502 | Coordinate Geometry/ Algebra | B1 | 3/ 3 | |
| Compulsory attendance for the following two soft skills courses: | | | | |
| <i>Soft Skills</i> | | | | |
| CSCI1001 | Employability for Scientists | B1 | 0 | |
| CSCI1002 | Career Lab for Scientists | B1 | 0 | |
| Advanced Standing I (0 credit unit) | | | | |
| College Requirements waived | | | | |

[#] All BScPHY major students are required to take PHY1101 Introductory Classical Mechanics to fulfill the College Requirement.

GREAT Students

| Course Code | Course Title | Level | Credit Units | Remarks |
|--|------------------------------------|-------|--------------|---------|
| Research Methodology | | | | |
| CSCI2002 | Workshop on Research Methodology | B2 | 1 | |
| College Requirements I (6 credit units) | | | | |
| Choose two from the following six courses: | | | | |
| <i>Physics</i> | | | | |
| PHY1101 | Introductory Classical Mechanics | B1 | 3 | |
| PHY1202 | General Physics II | B1 | 3 | |
| <i>Chemistry</i> | | | | |
| | | | | |
| CHEM1300 | Principles of General Chemistry | B1 | 3 | |
| CHEM2006A | Principles of Inorganic Chemistry | B2 | 3 | |
| CHEM2007A | Principles of Organic Chemistry | B2 | 3 | |
| <i>Mathematics</i> | | | | |
| MA2509 | Discrete Mathematics | B2 | 3 | |
| College Requirements II (6 credit units) | | | | |
| Choose two from the following four courses: | | | | |
| <i>Physics</i> | | | | |
| PHY1203 | General Physics III | B1 | 3 | |
| | | | | |
| <i>Chemistry</i> | | | | |
| CHEM2004A | Principles of Analytical Chemistry | B2 | 3 | |
| CHEM2008A | Principles of Physical Chemistry | B2 | 3 | |
| <i>Mathematics</i> | | | | |
| MA1501 | Coordinate Geometry | B1 | 3 | |

2.4. English Language Requirement

Normative 4-year degree students and Advanced Standing I students who passed the 6 credit units of specified GE English courses are recognized as fulfilling the University's English Language Requirement.

Students scoring below Level 4 in HKDSE English Language or Grade D in HKALE AS-level Use of English or students who do not possess an equivalent qualification are required to complete two 3-credit unit courses, LC0200A English for Academic Purposes 1 and LC0200B English for Academic Purposes 2, prior to taking the GE English courses. Students who demonstrate that they have achieved a grade B or above in their overall course results for LC0200A will achieve 3 credits and also be considered to have satisfied the pre-requisite for entry to the GE English courses without needing to take LC0200B. The credit units of LC0200A and LC0200B will not be counted towards the minimum credit units required for graduation and will not be included in the calculation of the cumulative grade point average (CGPA). However, they will be counted towards the maximum credit units permitted.

2.5. Chinese Language Requirement

Students scoring below Level 4 in HKDSE Chinese Language, or below Grade D in HKALE AS-level Chinese Language and Culture will be required to complete a 3-credit unit course CHIN1001 University Chinese I. The 3 credit units will not be counted towards the minimum credit units required for graduation and will not be included in the calculation of the cumulative grade point average (CGPA). However, they will be counted towards the maximum credit units permitted.

For course details, please refer to the ARRO website (http://www.cityu.edu.hk/catalogue/ug/current/catalogue/catalogue_UC.htm?page=B/B_course_index.htm). Please always refer to this website for the most updated information.

2.6. Major Requirement

Core Courses

- Normative 4-year Degree (45 or 48 credit units; 50 or 53 credit units[^])

- Advanced Standing I (45 or 48 credit units; 50 or 53 credit units[^])

| Course Code | Course Title | Level | Credit Units | Remarks |
|----------------------------------|---|-------|---------------|---|
| PHY1202 | General Physics II | B1 | 3 | Advanced Standing I Students with acceptable qualifications may apply for exemption on a case by case basis. They are required to complete any 3 CU course to replace the exempted credits. |
| PHY1203 | General Physics III | B1 | 3 | Advanced Standing I Students with acceptable qualifications may apply for exemption on a case by case basis. They are required to complete any 3 CU course to replace the exempted credits. |
| PHY2191 | Electricity and Magnetism | B2 | 3 | |
| PHY2212 | Measurement and Instrumentation | B2 | 3 | |
| PHY2213 | Advanced Measurement and Instrumentation | B2 | 3 | |
| PHY3202 | Modern Physics | B3 | 3 | |
| PHY3204 | Waves and Optics | B3 | 3 | |
| PHY3205 | Electrodynamics | B3 | 3 | |
| PHY3231 | Advanced Instrumentation Lab | B3 | 3 | |
| PHY3251 | Quantum Mechanics | B3 | 3 | |
| PHY3272 | Introduction to Solid State Physics | B3 | 3 | |
| PHY3290 | Thermodynamics | B3 | 3 | |
| PHY4216/ PHY4217/ CSCI4003 | Project/ Dissertation/ Co-operative Education Placement Project for Science Students | B4 | 3/ 6/ 6 | <ul style="list-style-type: none"> - Students taking <i>PHY4216 Project</i> are required to <u>take</u> 3 more credits of elective course. • <i>CSCI4003 Co-operative Education Placement Project for Science Students</i> (6 CUs) can be used to replace <i>PHY4217 Dissertation</i> (6 CUs). Students taking <i>CSCI4003</i> are required to take <i>CSCI4001</i> simultaneously. |

Select ONE from the following blocks of computation and maths courses:

Ordinary Option

| Course Code | Course Title | Level | Credit Units | Remarks |
|-------------|---------------------------------------|-------|--------------|--|
| PHY3115 | Introduction to Computational Physics | B3 | 3 | |
| MA2158 | Linear Algebra and Calculus | B2 | 3 | Advanced Standing students may be required to complete MA1200 Calculus and Basic Linear Algebra I and MA1201 Calculus and Basic Linear Algebra II (the pre-requisite courses) before they are allowed to enroll <i>MA2158 Linear Algebra and Calculus</i> . They are advised to apply and sit for the placement test organized by MA department before the commencement of Semester A of their admitted academic year. |

Enhanced Option

(Students have to meet the specified criteria**and obtain the prior approval from the Department for taking this option.)

| Course Code | Course Title | Level | Credit Units | Remarks |
|-------------|---------------------------------|-------|--------------|---------|
| MA2503 | Linear Algebra | B2 | 4 | |
| MA2508 | Multi-variable Calculus | B2 | 4 | |
| MA3511 | Ordinary Differential Equations | B3 | 3 | |

** Eligibility for the Enhanced Option:

Normative 4-year Degree

- (1) Students who plan to pursue the Joint Bachelor's Degree Program between CityU and ColumbiaU **OR**
- (2) Students who obtained *Grade B+ or above for MA1301 Enhanced Calculus & Linear Algebra II* or *Grade A- or above for MA1201 Calculus & Linear Algebra II*.

Advanced Standing Students

- (1) Students who obtained *Grade B+ or above for MA1301 Enhanced Calculus & Linear Algebra II* or *Grade A- or above for MA1201 Calculus & Linear Algebra II* **OR**
- (2) Students who passed 85% of the combined MA Placement test for MA1200 Calculus & Basic Linear Algebra I and MA1201 Calculus & Basic Linear Algebra II.

^For students who are approved for taking the Enhanced Option of computation and maths courses.

Electives

- Normative 4-year Degree (21 or 18 credit units; 15 or 12 credit units[^])

- Advanced Standing I (21 or 18 credit units; 15 or 12 credit units[^])

- Students in the BSc-MSc programme have to take any 9 credit unit courses (Level P5 & 6) from the MSc in Applied Physics Programme to fulfill this elective requirement. They should consult the Programme Leaders and Course Leaders before enrolling these electives.

| Course Code | Course Title | Level | Credit Units | Remarks |
|-------------|--|-------|--------------|--|
| CSCI3001 | Grand Challenges in the World | B3 | 3 | |
| MSE2102 | Introduction to Materials Engineering | B2 | 3 | |
| MSE3171 | Materials Characterization Techniques | B3 | 3 | |
| MSE4121 | Thin Film Technology and Nanocrystalline Coatings | B4 | 3 | |
| MSE4127 | Smart Sensors: From Engineering to Applications | B4 | 3 | |
| PHY2100 | Mathematical Methods in Physics | B2 | 3 | |
| PHY3115 | Introduction to Computational Physics | B3 | 3 | For students taking the Enhanced Option only |
| PHY3116 | Introduction to Soft Matter Physics | B3 | 3 | |
| PHY3220 | Financial Engineering from a Scientist's Perspective | B3 | 3 | |
| PHY4172 | Computational Physics | B4 | 3 | |
| PHY4230 | Radiation Safety | B4 | 3 | |
| PHY4232 | Radiotherapy Physics | B4 | 3 | |
| PHY4233 | Imaging Physics | B4 | 3 | |
| PHY4254 | Fundamentals of Laser Optics | B4 | 3 | |
| PHY4265 | Semiconductor Physics and Devices | B4 | 3 | |
| PHY4273 | Special Topics in Physics | B4 | 3 | |
| PHY4274 | Radiation Biophysics | B4 | 3 | |
| PHY4275 | Radiological Physics and Dosimetry | B4 | 3 | |
| PHY4283 | Physics in Medicine | B4 | 3 | |
| PHY4285 | Introduction to Scattering Sciences | B4 | 3 | |

[^] For students who are approved for taking the Enhanced Option of computation and maths courses.

GREAT Students

1. Core Courses

Ordinary Route (54 credit units)

| Course Code | Course Title | Level | Credit Units | Remarks |
|-------------|--|-------|--------------|---------|
| MA2158 | Linear Algebra and Calculus | B2 | 3 | |
| MGT2324 | Introduction to Entrepreneurship | B2 | 3 | |
| PHY2191 | Electricity and Magnetism | B2 | 3 | |
| PHY2212 | Measurement and Instrumentation | B2 | 3 | |
| PHY2213 | Advanced Measurement and Instrumentation | B2 | 3 | |
| PHY3115 | Introduction to Computational Physics | B3 | 3 | |
| PHY3202 | Modern Physics | B3 | 3 | |
| PHY3204 | Wave and Optics | B3 | 3 | |
| PHY3205 | Electrodynamics | B3 | 3 | |
| PHY3231 | Advanced Instrumentation Lab | B3 | 3 | |
| PHY3251 | Quantum Mechanics | B3 | 3 | |
| PHY3272 | Introduction to Solid State Physics | B3 | 3 | |
| PHY3290 | Thermodynamics | B3 | 3 | |
| PHY4172 | Computational Physics | B4 | 3 | |
| PHY4218 | Independent Research I | B4 | 6 | |
| PHY4219 | Independent Research II | B4 | 6 | |

Enhanced Maths Route (56 credit units)

| Course Code | Course Title | Level | Credit Units | Remarks |
|-------------|---------------------------------------|-------|--------------|---------|
| MA2503 | Linear Algebra | B2 | 4 | |
| MA2508 | Multi-variable Calculus | B2 | 4 | |
| MA3511 | Ordinary Differential Equations | B3 | 3 | |
| MGT2324 | Introduction to Entrepreneurship | B2 | 3 | |
| PHY2191 | Electricity and Magnetism | B2 | 3 | |
| PHY2212 | Measurement and Instrumentation | B2 | 3 | |
| PHY3115 | Introduction to Computational Physics | B3 | 3 | |
| PHY3202 | Modern Physics | B3 | 3 | |
| PHY3204 | Wave and Optics | B3 | 3 | |
| PHY3205 | Electrodynamics | B3 | 3 | |
| PHY3251 | Quantum Mechanics | B3 | 3 | |
| PHY3272 | Introduction to Solid State Physics | B3 | 3 | |
| PHY3290 | Thermodynamics | B3 | 3 | |
| PHY4172 | Computational Physics | B4 | 3 | |
| PHY4218 | Independent Research I | B4 | 6 | |
| PHY4219 | Independent Research II | B4 | 6 | |

2. Free Electives

- **Ordinary Route (23 credit units)**

- **Enhanced Maths Route (21 credit units)**

Students are highly recommended to take the following courses as free electives to enrich their background in Physics or entrepreneurship training.

| Course Code | Course Title | Level | Credit Units | Remarks |
|-------------|---|-------|--------------|---------|
| CSCI3001 | Grand Challenges in the World | B3 | 3 | |
| CSCI4007 | Patent Application and Technopreneurship | B4 | 3 | |
| MGT4305 | Developing and Presenting a Business Plan | B4 | 3 | |
| MSE2102 | Introduction to Materials Engineering | B2 | 3 | |
| MSE3171 | Materials Characterization Techniques | B3 | 3 | |
| MSE4121 | Thin Film Technology and Nanocrystalline Coatings | B4 | 3 | |
| MSE4127 | Smart Sensors: From Engineering to Applications | B4 | 3 | |

| | | | | |
|---------|--|----|---|--|
| PHY1101 | Introductory Classical Mechanics | B1 | 3 | For students who did not take it as College Requirement Course in Year 1 |
| PHY1202 | General Physics II | B1 | 3 | For students who did not take it as College Requirement Course in Year 1 |
| PHY1203 | General Physics III | B1 | 3 | For students who did not take it as College Requirement Course in Year 1 |
| PHY2100 | Mathematical Methods in Physics | B2 | 3 | |
| PHY2213 | Advanced Measurement and Instrumentation | B2 | 3 | For Enhanced Maths route only |
| PHY3116 | Introduction to Soft Matter Physics | B3 | 3 | |
| PHY3220 | Financial Engineering from a Scientist's Perspective | B3 | 3 | |
| PHY3231 | Advanced Instrumentation Lab | B3 | 3 | For Enhanced Maths route only |
| PHY4230 | Radiation Safety | B4 | 3 | |
| PHY4232 | Radiotherapy Physics | B4 | 3 | |
| PHY4233 | Imaging Physics | B4 | 3 | |
| PHY4254 | Fundamentals of Laser Optics | B4 | 3 | |
| PHY4265 | Semiconductor Physics and Devices | B4 | 3 | |
| PHY4273 | Special Topics in Physics | B4 | 3 | |
| PHY4274 | Radiation Biophysics | B4 | 3 | |
| PHY4275 | Radiological Physics and Dosimetry | B4 | 3 | |
| PHY4283 | Physics in Medicine | B4 | 3 | |
| PHY4285 | Introduction to Scattering Sciences | B4 | 3 | |

For course details, please refer to the ARRO website (http://www.cityu.edu.hk/catalogue/ug/current/catalogue/catalogue_UC.htm?page=B/B_course_index.htm).

Please always refer to this website for the most updated information.

Students may ask for special approval for waiving the course prerequisites. The waiving of course prerequisites would be subject to the approval from both the course leader and the major leader on the basis of the students' academic background.

3. Recommended Study Plan

1. A set of core courses (see tables below) is pre-registered for students according to their recommended study plan.
2. Students are advised to plan their study according to the suggested pattern to avoid possible time conflict between courses. They should also pay attention to the Degree Requirements (Section 2) when planning their studies.
3. For GE courses, Chinese course, Electives and Free Electives, students have to register them on web during the add/drop period.
4. Students wishing to drop/change a pre-assigned course have to do so on web or using the paper form during the add/ drop period. However, after dropping/changing the course, the places may be taken up by other students and they may not be able to enroll the pre-assigned course again.

3.1. For Normative 4 Year Degree Students

Year 1

| Semester A | | Semester B | | Summer Term | |
|--|-----|---|-----|--|-----|
| Course Code | CUs | Course Code | CUs | Course Code | CUs |
| PHY1101 | 3 | PHY1202 | 3 | | |
| CS1302 | 3 | PHY1203 | 3 | | |
| CSCI1001 | 0 | CHEM1101* | 3 | <input checked="" type="checkbox"/> Go Global - Exchange <input type="checkbox"/> Go Global - Internship <input checked="" type="checkbox"/> Go Global - Learning Abroad <input checked="" type="checkbox"/> Go Global - Service Learning | |
| MA1200 or MA1300 | 3 | CSCI1002 | 0 | | |
| GE1401 or LC0200A | 3 | MA1201 or MA1301 | 3 | | |
| GE Course | 3 | GE2401or LC0200B | 3 | | |
| <input type="checkbox"/> Go Global - Exchange <input type="checkbox"/> Go Global - Internship <input type="checkbox"/> Go Global - Learning Abroad <input checked="" type="checkbox"/> Go Global - Service Learning | | <input type="checkbox"/> Go Global - Exchange <input type="checkbox"/> Go Global - Internship <input checked="" type="checkbox"/> Go Global - Learning Abroad <input checked="" type="checkbox"/> Go Global - Service Learning | | | |
| | | | | | |

Year 2

| Semester A | | Semester B | | Summer Term | |
|--|-----|--|-----|--|-----|
| Course Code | CUs | Course Code | CUs | Course Code | CUs |
| PHY2212 | 3 | PHY2191 | 3 | | |
| PHY3202 | 3 | PHY2213 | 3 | | |
| MA2158 | 3 | | | <input checked="" type="checkbox"/> Go Global - Exchange <input type="checkbox"/> Go Global - Internship <input checked="" type="checkbox"/> Go Global - Learning Abroad <input checked="" type="checkbox"/> Go Global - Service Learning | |
| GE1501 | 3 | PHY3204 | 3 | | |
| GE Course | 3 | PHY3290 | 3 | | |
| | | GE Course | 3 | | |
| <input checked="" type="checkbox"/> Go Global - Exchange <input type="checkbox"/> Go Global - Internship <input checked="" type="checkbox"/> Go Global - Learning Abroad <input checked="" type="checkbox"/> Go Global - Service Learning | | <input checked="" type="checkbox"/> Go Global - Exchange <input type="checkbox"/> Go Global - Internship <input checked="" type="checkbox"/> Go Global - Learning Abroad <input checked="" type="checkbox"/> Go Global - Service Learning | | | |
| | | | | | |

Year 3

| Semester A | | Semester B | | Summer Term | |
|---|-----|---|-----|---|-----|
| Course Code | CUs | Course Code | CUs | Course Code | CUs |
| PHY3205 | 3 | PHY3115 | 3 | | |
| PHY3231 | 3 | PHY3272 | 3 | | |
| PHY3251 | 3 | GE Course | 3 | <input checked="" type="checkbox"/> Go Global - Exchange <input checked="" type="checkbox"/> Go Global - Internship <input checked="" type="checkbox"/> Go Global - Learning Abroad <input checked="" type="checkbox"/> Go Global - Service Learning | |
| Free Electives | 6 | Free Electives | 6 | | |
| <input checked="" type="checkbox"/> Go Global - Exchange <input checked="" type="checkbox"/> Go Global - Internship <input checked="" type="checkbox"/> Go Global - Learning Abroad <input checked="" type="checkbox"/> Go Global - Service Learning | | <input checked="" type="checkbox"/> Go Global - Exchange <input checked="" type="checkbox"/> Go Global - Internship <input checked="" type="checkbox"/> Go Global - Learning Abroad <input checked="" type="checkbox"/> Go Global - Service Learning | | | |
| | | | | | |

Year 4

| Semester A | | Semester B | | Summer Term | |
|---|-----|---|---------------------|---|-----|
| Course Code | CUs | Course Code | CUs | Course Code | CUs |
| PHY4216 or PHY4217 | 3 | PHY4217 or CSCI4003# | 3 or 6 [#] | | |
| Major Electives | 12 | Major Electives | 6 or 9 [^] | <input type="checkbox"/> Go Global - Exchange <input type="checkbox"/> Go Global - Internship <input type="checkbox"/> Go Global - Learning Abroad <input type="checkbox"/> Go Global - Service Learning | |
| | | Free Electives | 6 | | |
| <input checked="" type="checkbox"/> Go Global - Exchange <input checked="" type="checkbox"/> Go Global - Internship <input checked="" type="checkbox"/> Go Global - Learning Abroad <input checked="" type="checkbox"/> Go Global - Service Learning | | <input checked="" type="checkbox"/> Go Global - Exchange <input checked="" type="checkbox"/> Go Global - Internship <input checked="" type="checkbox"/> Go Global - Learning Abroad <input checked="" type="checkbox"/> Go Global - Service Learning | | | |
| | | | | | |

Please refer to the details of the Go Global program for eligibility of joining the program concerned.

* Students may choose to take another course (CHEM1200, CHEM1300, MA1501 or MA1502) to fulfill College requirement, subject to the course vacancies and offering term. They will need to change the course on web during the add/drop period.

Year 4 students who take CSCI4003 Co-operative Education Placement Project for Science Students (6CUs) in Semester B need to continue their studies in the following Summer Term and Semester A. They are also required to take CSCI4001 Co-operative Education Scheme for Science Students simultaneously.

[^]Year 4 students need to take 9 CUs for major elective courses in Semester B if they select PHY4216 Project (3CUs) in Semester A.

3.2. For Advanced Standing I Students

Year 2

| Semester A | | Semester B | | Summer Term | |
|--|-----|---|-----|--|-----|
| Course Code | CUs | Course Code | CUs | Course Code | CUs |
| PHY3202 | 3 | PHY1202 | 3 | | |
| CS1302 | 3 | PHY1203 | 3 | | |
| MA1201 | 3 | | | <input checked="" type="checkbox"/> Go Global - Exchange <input type="checkbox"/> Go Global - Internship <input checked="" type="checkbox"/> Go Global - Learning Abroad <input checked="" type="checkbox"/> Go Global - Service Learning | |
| GE1501 | 3 | PHY3204 | 3 | | |
| GE1401 or LC0200A | 3 | GE2401 or LC0200B | 3 | | |
| | | GE Course | 3 | | |
| <input type="checkbox"/> Go Global - Exchange <input type="checkbox"/> Go Global - Internship <input type="checkbox"/> Go Global - Learning Abroad <input checked="" type="checkbox"/> Go Global - Service Learning | | <input type="checkbox"/> Go Global - Exchange <input type="checkbox"/> Go Global - Internship <input checked="" type="checkbox"/> Go Global - Learning Abroad <input checked="" type="checkbox"/> Go Global - Service Learning | | | |

Year 3

| Semester A | | Semester B | | Summer Term | |
|---|-----|---|-----|---|-----|
| Course Code | CUs | Course Code | CUs | Course Code | CUs |
| PHY2212 | 3 | PHY2191 | 3 | | |
| PHY3231 | 3 | PHY2213 | 3 | | |
| PHY3251 | 3 | PHY3115 | 3 | <input checked="" type="checkbox"/> Go Global - Exchange <input checked="" type="checkbox"/> Go Global - Internship <input checked="" type="checkbox"/> Go Global - Learning Abroad <input checked="" type="checkbox"/> Go Global - Service Learning | |
| MA2158 | 3 | PHY3272 | 3 | | |
| GE Course | 3 | PHY3290 | 3 | | |
| <input checked="" type="checkbox"/> Go Global - Exchange <input checked="" type="checkbox"/> Go Global - Internship <input checked="" type="checkbox"/> Go Global - Learning Abroad <input checked="" type="checkbox"/> Go Global - Service Learning | | <input checked="" type="checkbox"/> Go Global - Exchange <input checked="" type="checkbox"/> Go Global - Internship <input checked="" type="checkbox"/> Go Global - Learning Abroad <input checked="" type="checkbox"/> Go Global - Service Learning | | | |
| | | | | | |

Year 4

| Semester A | | Semester B | | Summer Term | |
|---|-----|---|----------|---|-----|
| Course Code | CUs | Course Code | CUs | Course Code | CUs |
| PHY3205 | 3 | PHY4217 or CSCI4003# | 3 or 6# | | |
| PHY4216 or PHY4217 | 3 | Major Electives | 9 or 12^ | <input type="checkbox"/> Go Global - Exchange <input type="checkbox"/> Go Global - Internship <input type="checkbox"/> Go Global - Learning Abroad <input type="checkbox"/> Go Global - Service Learning | |
| Major Electives | 9 | Free Electives | 3 | | |
| <input checked="" type="checkbox"/> Go Global - Exchange <input checked="" type="checkbox"/> Go Global - Internship <input checked="" type="checkbox"/> Go Global - Learning Abroad <input checked="" type="checkbox"/> Go Global - Service Learning | | <input checked="" type="checkbox"/> Go Global - Exchange <input checked="" type="checkbox"/> Go Global - Internship <input checked="" type="checkbox"/> Go Global - Learning Abroad <input checked="" type="checkbox"/> Go Global - Service Learning | | | |

Please refer to the details of the Go Global program for eligibility of joining the program concerned.

Year 4 students who take CSCI4003 Co-operative Education Placement Project for Science Students (6CUs) in Semester B need to continue their studies in the following Summer Term and Semester A. They are also required to take CSCI4001 Co-operative Education Scheme for Science Students simultaneously.

^ Year 4 students need to take 12 CUs for major elective courses in Semester B if they select PHY4216 Project (3CUs) in Semester A.

4. Academic Regulations

Students should observe the University's Academic Regulations for Undergraduate Degrees at all times. For further details and most updated information, please always refer to the website of Academic Regulations and Records Office (ARRO) (<http://www.cityu.edu.hk/arro/content.asp?cid=165>).

5. Academic Honesty

Students must pursue their studies with academic honesty. Academic honesty is central to the conduct of academic work. Students are expected to present their own work, give proper acknowledgement of other's work, and honestly report findings obtained. As part of the University's efforts to educate students about academic honesty, all students are required to complete the Online Tutorial and Quiz on Academic Honesty and make a Declaration on their understanding of academic honesty.

Academic dishonesty includes but is not restricted to the following behaviors:

- (a) Plagiarism, e.g., the failure to properly acknowledge the use of another person's work or submission for assessment material that is not the Student's own work;
- (b) Misrepresentation of a piece of group work as the Student's own individual work;
- (c) Collusion, i.e., allowing another person to gain advantage by copying one's work;
- (d) Unauthorized access to an examination/test paper;
- (e) Possession/use of unauthorized material in assessment;
- (f) Unauthorized communication during assessment;
- (g) Use of fabricated data claimed to be obtained by experimental work, or data copied or obtained by unfair means;
- (h) Impersonating another Student at a test or an examination or allowing oneself to be impersonated;
- (i) Use of fraudulent documents and/or information to gain advantage for any academic work, e.g. submission of a fraudulent medical certificate to request for a make-up examination.

Students who commit an act of academic dishonesty which is regarded as a **serious academic offence** in the University may lead to disciplinary action with a penalty including without limitation, expulsion from the University, debarment from re-admission, deprivation of an academic award already conferred or revocation of a certification granted.

For details of the rules on Academic Honesty, students should refer to the website of Office of the Provost (www.cityu.edu.hk/provost/academic_honesty/rules_on_academic_honesty.htm).

6. Assessment

Students are assessed through a variety of methods, creating ample opportunity to demonstrate their abilities. The means of assessment vary from course to course but typically include coursework as well as the written examinations. Coursework consists of written assignments, computer simulations, tutorials, project, laboratory reports and presentations etc. Examinations are held at the end of each course.

For undergraduate courses, students have to obtain at least 30% of the maximum marks in the final examination in order to pass a course (i.e. D or above) where there is an examination component in the assessment.

Students should check the updated minimum passing mark required for different courses under the section of “Programmes and Courses” of the ARRO’s website (www.cityu.edu.hk/arro).

6.1. Mitigation

A student who reasonably believes that his/her ability to attend an examination, or in-course assessment with a weighting of 20% or above, has been adversely affected by circumstances beyond his/her control may submit a mitigation request with the scanned relevant supporting documents (e.g. medical certificate) to the Department via AIMS **no later than 5 working days from the scheduled date for completing the affected examination or assessment. It is the student’s responsibility to hand in the original copies of all the required documents to the Department by the aforesaid deadline as well.**

Upon receipt of a mitigation request (including the original copies of the required documents), the Department will investigate the case, in consultation with the course-offering academic unit (if appropriate). Only compelling reasons such as illness, hospitalization, accident, family bereavement or other unforeseeable serious circumstances will be considered. If the case is substantiated, the Assessment Panel will then decide if a make-up examination or coursework or other alternative assessment will be offered to the student concerned. **Only one make-up examination will be arranged per course per semester.**

6.2. Minimum CGPA Requirement for Graduation

The minimum graduation CGPA for a degree and a second major is **2.00**.

6.3. Award Classifications

Normative 4 Year Degree Students & Advanced Standing I Students

The University grants bachelor's degree awards (EXCEPT for those admitted in the academic years specified below*) with the following classifications based on the CGPAs according to the general guidelines below:

| Award Classifications | CGPA |
|----------------------------|---------------|
| First Class Honours | 3.50 or above |
| Upper Second-Class Honours | 3.00 - 3.49 |
| Lower Second-Class Honours | 2.50 - 2.99 |
| Third Class Honours | 2.00 - 2.49 |
| Pass [^] | 1.70 - 1.99 |

[^]Applicable to students admitted in 2019/20 and before.

6.4. Academic Regulations on Termination of Study

The Examination Board may terminate the study of a student under the following circumstances:

- (i) The student's SGPA is below 1.70 for any three enrolled semesters; or
- (ii) The student's academic progress is unsatisfactory and is unable to meet the conditions stipulated by the home academic unit after being put on Academic Probation for one semester.

Students' studies will be **TERMINATED** if they **FAIL** to pass a required course, or its equivalent/substitute course, after **THREE** attempts.

Further details can be obtained from the ARRO's website, under the section of "Current Students" → "Regulations & Guidelines" (www.cityu.edu.hk/arro).

7. Late drop policy

Students can add or drop a course during the add/drop period prescribed by the University. After the add/drop deadline, requests for late drop of courses will **NOT** be entertained unless under exceptional circumstances (e.g. medical grounds). Such late requests must be submitted no later than the end of the teaching period for the relevant semester/term for approval by the Head of the course-offering academic unit.

8. Laboratory safety

Students must observe the laboratory safety rules and regulations when they attend laboratory sessions or perform experiments in the laboratories.

1. Undergraduate students are NOT ALLOWED TO WORK in a laboratory WITHOUT SUPERVISION.
2. Undergraduate students are NOT ALLOWED TO KEEP ANY KEY of the laboratories.
3. New research students/staff are NOT ALLOWED TO WORK in a laboratory before the completion of the safety training.
4. Students/staff SHOULD NOT WORK ALONE in a laboratory; when he/she needs to work with hazardous chemicals, e.g., strong acids and alkalis or on electricity connection, there MUST be at least one more person in the same room. All research personnel should seek the help of a companion when he/she must work in the laboratory outside normal office hours, otherwise he/she is required to utilize the Personal Alarm System in PHY labs. Experiments should not be left unattended.
5. Prior approval from your supervisor is needed to stay in a laboratory beyond 11:00 p.m. Please download and print the [OVERNIGHT APPLICATION form](#) for application.
6. [SMOKING](#), EATING & DRINKING ARE STRICTLY FORBIDDEN. Do not bring food or drinks into a laboratory.
7. DO NOT RUN OR PLAY in laboratories.
8. Loose clothing is potentially hazardous. Secure ties and tie up [long hair](#). You are also advised to wear laboratory coat.
9. Familiarize yourselves with the FIRE EXITS and ESCAPE ROUTES. These are posted in every laboratory.
10. Familiarize yourself with [EMERGENCY PROCEDURES](#). These are posted at the entrance of each laboratory.
11. Wear gloves ONLY when working with hazardous chemicals and other materials. *No gloves* on door handles, keyboards, mouse etc.
12. [Wastes & solvents](#) must be disposed of properly. Consult your supervisor or the technicians in case of doubt.
13. Package non-hazardous lab glass waste items in specific cardboard boxes.
14. “Sharps waste” means any device having acute rigid corners, edges, or protuberances capable of cutting or piercing, including, but not limited to, all of the following: hypodermic needles, syringes, razor blades and scalpel blades. Under no circumstances should “sharps waste” be disposed of in the normal trash. Sharps must be disposed of in the sharp disposal bin.
15. All accidents must be reported to the technical officer/supervisor immediately.
16. Wearing EYE PROTECTION is mandatory when working with hazardous chemicals or operating UV instruments or LASERS, and in laboratories where such notices are posted. Consult your supervisor or the technicians for the appropriate type of eye-protection equipment. In other areas, you are encouraged to wear eye protection as a good safety practice. Users of laser classes 3B and 4 are reminded to undergo eye-sight tests arranged by the university. This should be carried out before the first use of laser and again before leaving the university.
17. There is a separate set of rules governing the use of Radiation Laboratories. These are posted at the entrance of the [Radiation Laboratory](#). All users must observe the [RADIATION SAFETY GUIDELINES](#).
18. Before commencement of a new experiment, you should complete a RISK ASSESSMENT (You may download the form [here](#)) and obtain approval from your supervisor.

For further details of safety guidelines, please refer to the PHY department website (<https://www.cityu.edu.hk/phy/students/Safety%20in%20Laboratories>).

Students **under 18** MUST complete the “Parental Consent Form for Students under the Age of 18”(https://www.cityu.edu.hk/phy_portal/download/6_UsefulForms/Parental%20Consent%20Form.pdf) in relation to Safety Regulations in Laboratories. The form should be signed by your parents and be returned to the General Office of Department of Physics (G6702, Green Zone, 6/F, Yeung Kin Man Academic Building) **by 9 September 2024**.

9. Communication Channels

There are various channels of communication between students and the Department. On an informal basis, students having academic difficulties are encouraged to approach their academic advisors, course leaders or tutors concerned.

A formal consultative channel between students and faculties is established via the Joint Staff/Student Consultative Committee (JSSCC) and Programme Committee. The Programme Committee is charged with the responsibility of monitoring the operation and quality assurance of the programme. 2-3 student representatives from each cohort will be nominated for joining the committees. The Committees meet at least once a semester. At the meetings, students can express their views on the curriculum and organization of the programme.

Students are also welcome to approach the major leaders, academic advisors or course leaders whenever they encounter any study-related difficulties.

Major Leader

Prof W C YU

Office: G5111, Green Zone, 5 /F, Yeung Kin Man Academic Building

Phone: 3442 7702

Email: wingcyu@cityu.edu.hk

Deputy Major Leader

Prof Sam S C WONG

Office: P5329, Purple Zone, 5 /F, Yeung Kin Man Academic Building

Phone: 3442 4009

Email: samwong@cityu.edu.hk

Academic Advisors

Prof Wei BAO

Office: G5106, Green Zone, 5 /F, Yeung Kin Man Academic Building

Phone: 3442 7848

Email: weibao@cityu.edu.hk

Prof Yu CHAI

Office: P5330, Purple Zone, 5 /F, Yeung Kin Man Academic Building

Phone: 3442 7844

Email: yuchai@cityu.edu.hk

Prof S T CHU

Office: G5107, Green Zone, 5 /F, Yeung Kin Man Academic Building

Phone: 3442 4968

Email: saitchu@cityu.edu.hk

Prof X Q CHU

Office: G5141, Green Zone, 5 /F, Yeung Kin Man Academic Building

Phone: 3442 4027

Email: xiangchu@cityu.edu.hk

Prof Oscar DAHLSTEN

Office: G5142, Green Zone, 5 /F, Yeung Kin Man Academic Building

Phone: 3442 4045

Email: oscar.dahlsten@cityu.edu.hk

Prof Liang DAI

Office: G5139, Green Zone, 5 /F, Yeung Kin Man Academic Building

Phone: 3442 6025

Email: liangdai@cityu.edu.hk

Prof I C HOI

Office: G5126, Green Zone, 5 /F, Yeung Kin Man Academic Building

Phone: 3442 7023

Email: iochoi@cityu.edu.hk

Prof Condon LAU

Office: G5140, Green Zone, 6/F, Yeung Kin Man Academic Building

Phone: 3442 7882

Email: condon.lau@cityu.edu.hk

Prof Denver D F LI

Office: G5130, Green Zone, 5 /F, Yeung Kin Man Academic Building

Phone: 3442 7837

Email: danfenli@cityu.edu.hk

Prof H X LI

Office: G5102, Green Zone, 5 /F, Yeung Kin Man Academic Building

Phone: 3442 4427

Email: haixinli@cityu.edu.hk

Prof Xiao LI

Office: G5138, Green Zone, 5 /F, Yeung Kin Man Academic Building

Phone: 3442 7311

Email: xiao.li@cityu.edu.hk

Prof Qi LIU

Office: G5128, Green Zone, 5 /F, Yeung Kin Man Academic Building

Phone: 3442 7808

Email: qiliu63@cityu.edu.hk

Prof J Z MA

Office: G5109, Green Zone, 5 /F, Yeung Kin Man Academic Building

Phone: 3442 9482

Email: junzhama@cityu.edu.hk

Prof Jeff Z Y OU

Office: G5135, Green Zone, 5/F, Yeung Kin Man Academic Building

Phone: 3442 2825

Email: jeffou@cityu.edu.hk

Prof Yang REN

Office: G5134, Green Zone, 5 /F, Yeung Kin Man Academic Building

Phone: 3442 9140

Email: yangren@cityu.edu.hk

Prof Junling WANG

Office: G5103, Green Zone, 5/F, Yeung Kin Man Academic Building

Phone: 3442 7813

Email: jwan27@cityu.edu.hk

Prof S B WANG

Office: G5127, Green Zone, 5 /F, Yeung Kin Man Academic Building

Phone: 3442 9143

Email: shubwang@cityu.edu.hk

Prof X L WANG

Office: G5105, Green Zone, 5 /F, Yeung Kin Man Academic Building

Phone: 3442 9606

Email: xlwang@cityu.edu.hk

Prof Xin WANG

Office: G5129, Green Zone, 5 /F, Yeung Kin Man Academic Building

Phone: 3442 7815

Email: x.wang@cityu.edu.hk

Prof Sam S C WONG

Office: P5329, Purple Zone, 5/F, Yeung Kin Man Academic Building

Phone: 3442 4009

Email: samwong@cityu.edu.hk

Prof Peter K N YU

Office: G5108, Green Zone, 5 /F, Yeung Kin Man Academic Building

Phone: 3442 7812

Email: peter.yu@cityu.edu.hk

Prof W C YU

Office: G5111, Green Zone, 5 /F, Yeung Kin Man Academic Building

Phone: 3442 7702

Email: wingcyu@cityu.edu.hk

Prof R Q ZHANG

Office: G5131, Green Zone, 5 /F, Yeung Kin Man Academic Building

Phone: 3442 7849

Email: aprqz@cityu.edu.hk

Prof Ge ZHANG

Office: G5110, Green Zone, 5 /F, Yeung Kin Man Academic Building

Phone: 3442 4026

Email: gzhang37@cityu.edu.hk

Prof Z D ZHANG

Office: G5125, Green Zone, 5 /F, Yeung Kin Man Academic Building

Phone: 3442 4967

Email: zzhan26@cityu.edu.hk

Prof Y M ZHONG

Office: P5331, Green Zone, 5 /F, Yeung Kin Man Academic Building

Phone: 3442 7094

Email: yimzhong@cityu.edu.hk

10. Useful information

10.1. Course registration for 2024-25

- Students will be pre-registered in some of the required courses in both Semester A and B. Please refer to Part 4: Recommended Study Plan for details.
- The web registration period for Semester A starts **from 26 August 2024 and ends on 9 September 2024** but **you need to check your time ticket from “AIMS”**. For details on course registration, please refer to “Course Registration” under ARRO website (www.cityu.edu.hk/arro).
- Please check your curriculum requirements, review your study plan and then make appropriate adjustments to your course registration **after consulting your academic advisors if necessary**.
- Add/Drop of courses can be made through AIMS for web-enabled courses during the web registration period.
- For non-web-enabled courses or waiving of registration restrictions for adding web-enabled courses, students can submit applications via an electronic form available in AIMS. If a student drops a course after the add/drop period, an ‘X’ grade will be assigned for the course. The ‘X’ grade will be printed on the student’s transcript.

Important notes

How to add/ drop web-enabled courses

- Go to CityU home page (www.cityu.edu.hk) and click “Students”.
- Log onto “AIMS” and then click “Course Registration”.
- Choose “Add or Drop Classes”.

How to add/ drop non web-enabled courses

- Go to CityU home page (www.cityu.edu.hk) and click “Students”.
- Log onto “AIMS” and then click “Course Registration”.
- Choose “Application for Add/Drop of Non Web-enabled Course & Study Load Adjustment”.

For details on course registration arrangements for 2024-2025, please refer to “Course Registration” under the ARRO website (www.cityu.edu.hk/arro).

10.2. How to access your personal class schedule

- Go to CityU home page (www.cityu.edu.hk).
- Log onto “e-Portal” under “Quick Links” or “My CityU”. *If you have problems in logging in, please follow the instructions in “Having problems logging in?”.*
- Select “View Student Schedule” under the “Courses I am taking” box.
- Click the “View Detail Schedule” button at the bottom of your timetable to display details of your class schedule.

10.3. How to get instructors’ handouts through Canvas

- Go to CityU home page (www.cityu.edu.hk).
- Log onto “Canvas” under “Quick Links”.
- Click “Courses” to see all the courses you have registered in current and previous semesters.

Canvas User Guides are available at “e-Learning” under the “IT Links” of the OCIO website (http://www6.cityu.edu.hk/elearn/elearn_stud.html).

10.4. How to check curriculum requirements and course syllabuses

- Go to CityU home page (www.cityu.edu.hk).
- Click “Academic Programmes”.

10.5. How to access your student email account

- Go to CityU home page (www.cityu.edu.hk).
- Click “Email” under “My CityU”
- Click “@my.cityu.edu.hk (office 365)”

**For email communication, please state your full name, student number, contact telephone number and programme.*

**Always check and clear your email account, and make sure it does not exceed the quota (a maximum of 25GB).*

10.6. How to access DegreeWorks

DegreeWorks is a web-based academic advising and degree audit tool for undergraduate students. It matches a student’s academic record against the curriculum requirements. It offers a user-friendly interface that helps students learn easily what courses they still need to take to fulfill the requirements of College/School, GE, major, minor, etc. It also facilitates communication between students and advisors.

Students are encouraged to use the “Planner” function in DegreeWorks. “Planner” helps you create a long term study plan for your degree completion. Using this tool, you can easily discuss your academic goals and plan with your Advisor.

- Go to CityU home page (www.cityu.edu.hk).
- Log onto “AIMS”.
- Go to the "Study Plan" tab in AIMS.
- Then you can view the Student advising worksheet and advising notes, and access other features available in DegreeWorks.

Important notes

Students are advised to go through the online tutorials and all materials available on ARRO’s website to learn more about DegreeWorks.

- Go to the ARRO home page (www.cityu.edu.hk/arro).
- Click “Current Students”.
- Choose “DegreeWorks”.
- Read “Introduction”, “Tutorials” and “Frequently Asked Questions”.

11. Student Development Services (SDS)

The SDS offers many student-centred services to students. It provides support and assistance for students in the following areas:

- Counselling Services
 - Psychological Counselling
 - Personal Development
 - Special Educational Needs (SEN)
- PE & Sports
- Financial Assistance
- Scholarships
- Career & Leadership

If you need any advice on your personal issues other than academic concerns, you may approach SDS to schedule a counselling appointment:

Tel.: 3442 8478

E-mail: sds@cityu.edu.hk

Address: Student Development Services, 6/F, Amenities Building

12. Contact Us

General Office

Address : G5122, Green Zone, 5 /F, Yeung Kin Man Academic Building
Office Hours : Monday to Friday
8:45 am – 12:45 pm
2:00 pm – 5:30 pm
Telephone : (852) 3442 7831
Fax : (852) 3442 0538
Email : phy.go@cityu.edu.hk
Website : www.cityu.edu.hk/phy

Lab Office

Email : phylaboratory@cityu.edu.hk

13. Other Information - Preventing Sexual Harassment

13.1. CASH tutorial

https://www.cityu.edu.hk/cash/studentlan/Online_Tutorial/



13.2. Web resources

Guidelines for Students: http://www.cityu.edu.hk/cash/cityu_sexual_harassment.htm



14. Appendix: Academic Staff Profile

STAFF

*Head of Department of Physics and Chair
Professor of Physics*

Prof Yang Ren

PhD *Univ. of Groningen, Netherlands*
BEng *National Univ. of Defense Tech.,
China*

Email : phy.head@cityu.edu.hk
(for departmental matters)
yangren@cityu.edu.hk

Personal Secretary

Ms Sare W Y Lau

Email : sare.lau@cityu.edu.hk

Associate Head and Professor

Prof S T Chu

BSc *Wilfrid Laurier University, Canada*
MSc PhD *University of Waterloo, Canada*

Email: saitchu@cityu.edu.hk

AREAS OF SPECIALISM

Synchrotron X-ray science
Neutron scattering
Phase transition
Materials physics
Energy materials
Correlated electron system

Integrated photonics
Sensors and sensing systems
Numerical methods

Chair Professor of Physics

Prof Wei Bao

BSc *Peking University*
PhD *Johns Hopkins University*
Fellow, American Physical Society
Email: weibao@cityu.edu.hk

Superconductivity
Quantum Magnetism
Strongly correlated systems
Neutron scattering

Prof Jeff Z Y Ou

BSc *Peking University, China*
PhD *University of Rochester, USA*
Fellow, American Physical Society
Fellow, Optical Society of America
Email: jeffou@cityu.edu.hk

Atomic physics
Nonlinear optics
Quantum optics
Quantum information

Prof Junling Wang

PhD *University of Maryland, College Park, USA*
BSc *Nanjing University, China*
Email: jwan27@cityu.edu.hk

2D and 3D ferroelectric and
multiferroic materials, and their
applications in spintronic devices.

Prof X L Wang

BSc *Peking University, China*
PhD *Iowa State University, USA*
Fellow, American Physical Society
Email : xlwang@cityu.edu.hk

Neutron and synchrotron scattering
Phase transformation, deformation,
magnetism, residual stress determination
Metallic glasses, nanostructured materials,
magnetic shape memory alloys

Prof R Q Zhang

BSc MSc PhD *Shandong University, China*
Fellow, American Physical Society
Email : aprqz@cityu.edu.hk

Surface, interface and microstructures of
functional materials
Vapor-solid interactions
Computational materials science
Nanoscience

Chair Professor of Materials Engineering

Prof Paul K Chu

BSc *The Ohio State University, USA*
MSc PhD *Cornell University, USA*
Fellow, American Vacuum Society
Fellow, Institute of Electrical and
Electronics Engineers
Fellow, American Physical Society
Fellow, Materials Research Society
Fellow, Hong Kong Institution of
Engineers
Email : paul.chu@cityu.edu.hk

Plasma science and engineering
Surface engineering of functional materials
Biomaterials and nanobiology
Energy and sensor materials
Nanostructured thin films and interfaces

Professors

Prof Peter K N Yu

BSc PhD *University of Hong Kong*
Chartered Scientist, UK
Chartered Physicist, UK
Fellow, Institute of Physics, UK
Chartered Radiation Protection
Professional
Member, Society of Radiological
Protection, UK
Fellow, Hong Kong Institution of
Engineers
Email : peter.yu@cityu.edu.hk

Radiation biophysics
Medical physics
Biointerfaces

Associate Professors

Prof X Q Chu

PhD *MIT, USA*
MSc *Peking University, China*
BSc *Peking University, China*
Email: xiangchu@cityu.edu.hk

Neutron and X-ray scattering
Biophysics
Protein dynamics
Quantum effects in biological systems
Protein-water interactions
Dynamics of liquids on biological and nano-
scale material surfaces

Prof Oscar Dahlsten

PhD *Imperial College of London, UK*
MSc *Imperial College of London, UK*
Email: oscar.dahlsten@cityu.edu.hk

Quantum information theory
Information thermodynamics
Quantum foundations

Prof Liang Dai

BSc *University of Science and Technology of China, China*
PhD *National University of Singapore, Singapore*
Email: liangdai@cityu.edu.hk

Computational soft matter and biophysics
Polymer knots
Interactions between antimicrobial peptides and cell membranes
Nanopore translocation of DNA
Effects caused by macromolecular crowding

Prof I C Hoi

PhD *Chalmers Univ. of Tech., Sweden*
BSc *Nat'l Chiao Tung Univ., Taiwan*
Email: iochoi@cityu.edu.hk

Experimental quantum optics and quantum information with superconducting circuits

Prof Condon Lau

BSE *Princeton University, USA*
MSc PhD *Massachusetts Institute of Technology, USA*
Email : condon.lau@cityu.edu.hk

Optics
Nuclear magnetic resonance
Biophysics
Spectroscopy
Imaging

Prof Denver D F Li

PhD *UNIGE, Switzerland*
BEng *Zhejiang University, China*
Email: danfenli@cityu.edu.hk

Low-dimensional superconductivity
Oxide thin films and heterostructures
Pulsed laser deposition
Oxide interface physics
Novel materials synthesis

Prof Xiao Li

BSc *Peking University, China*
PhD *UT Austin, USA*
Email: xiao.li@cityu.edu.hk

Theoretical and Computational Physics
Low-dimensional systems

Prof Qi Liu

BSc MSc *Hunan University, China*
PhD *Purdue University, USA*
E-mail: qiliu63@cityu.edu.hk

Neutron and Synchrotron X-ray Scattering
Energy Storage and conversion
Battery materials
Phase transition

Prof S B Wang

BSc *Shandong University, China*
PhD *The Hong Kong University of Science and Technology*
Email: shubwang@cityu.edu.hk

Plasmonics
Metamaterials
Photonic crystals
Opto-mechanics
Computational electrodynamics

Prof Xin Wang

BSc *Peking University, China*
MA MPhil PhD *Columbia University, USA*
Email: x.wang@cityu.edu.hk

Theoretical condensed matter physics
Spin quantum computation
Correlated electron system
Computational methods

Assistant Professors

Prof Yu Chai

BSc PhD *University of Waterloo, Canada*
BSc *BJTU, China*
Email: yuchai@cityu.edu.hk

Soft matter physics
Polymer thin films
Self-assembly of nanomaterials
Atomic force microscopy

Prof H X Li

PhD *Columbia University, USA*
BSc *Univ. of Sci. and Tech. of China*
Email: haixinli@cityu.edu.hk

Single molecule electronics
Scanning tunneling microscopy
Fluorescence microscopy

Prof J Z Ma

BSc *Jilin University, China*
PhD *CAS, China*
Email: junzhama@cityu.edu.hk

Condensed matter physics
Angle Resolved Photoemission Spectroscopy
Synchrotron-Based Large facility experiments
Topological physics
Unconventional Superconductivity
Correlation effect

Prof Sam S C Wong

PhD *HKUST*
BSc *HKUST*
Email: samwong@cityu.edu.hk

Cosmology, Black Holes and Gravitational Waves

Prof W C Yu

BSc *CUHK*
PhD *CUHK*
Email: wingcyu@cityu.edu.hk

Computational and theoretical condensed matter physics

Prof Ge Zhang

PhD *Princeton University, USA*
BSc *Univ. of Sci. and Tech. of China*
Email: gzhang37@cityu.edu.hk

Statistical mechanics
Computational methods
Machine learning
Soft matter physics

Prof Z D Zhang

BSc *SZU, China*
PhD *SUNY Stony Brook, USA*
Email: zzhan26@cityu.edu.hk

Theoretical and computational physics
Quantum optical spectroscopy
Statistical mechanics

Prof Y M Zhong

PhD *SUNY Stony Brook, USA*
BSc *Nankai University, China*
Email: yimzhong@cityu.edu.hk

Theoretical particle physics
Astrophysics
Cosmology

As of 31 August 2024