<bytewise> coding

Coding is more than a skill.
The language of the future and today.

We are Hong Kong's premier coding academy offering unique and advanced programs for high school students.
Contact us to find out more!

Learn Coding Through Hobbies

Our courses guide students from introductory classes to hands-on collaborations with top universities like Stanford, customized to their existing hobbies and interests

Unlock Logic, Creativity, and Critical Thinking
Building projects tailored to your interests, while incorporating the latest AI technologies
Learn from the Best
Collaborate with professors and learn with our instructors from universities like Stanford, Carnegie Mellon, Tufts and Cambridge

Email: info@bytewisecoding.com
WhatsApp: (+852) 9634 8923
www.bytewisecoding.com

Click here to get in touch with us!

Address: 2204, 22/F, Chinachem Johnston Plaza, 178-186 Johnston Road, Wan Chai

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HOW WE APPLY CODING IN OUR PROJECTS

- Apply **AI** to revolutionize fields like law, finance, medicine, and engineering
- Design **computer user interfaces** for design and art
- Leverage **computer vision, machine learning, and data analytics** to transform sports
- Harness **web crawling and data science** to power research in economics, biology, and other humanities

WHO ARE WE?

Hong Kong's Premier Coding Academy for High School Students

Established in 2021, our program boasts a team of 30+ instructors from leading universities like the University of Cambridge, Carnegie Mellon University, UC Berkeley, and Columbia University, among others. Many of our instructors also bring valuable industry experiences from tech giants like Facebook, Microsoft, Redhat, and Amazon.

Eison
Carnegie Mellon
Engineering, Robotics, AI
Experience：
Schlumberger,
3TU AI Technologies

Jon
Carnegie Mellon
Computer Engineering
Experience:
Microsoft

Alexandria
Columbia
Data Science
Experience:
MIT Media Labs,
General Electric

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WHAT WILL YOU GAIN FROM THE PROJECTS?

1. Elevate your portfolio with transformative real-world experiences
2. Build innovative apps to take your hobbies to the next level
3. Prepare for the future by harnessing the power of AI technology
4. Make a meaningful impact on the community around you

COURSE OPTIONS

ADVANCED

Capstone Projects: Building Real World Solutions

- Round out your portfolio with projects for prestigious partners like the Hong Kong Maritime Museum, Stanford University and Johns Hopkins University
- Collaborate in small teams, develop crucial skills in project management from stakeholder communication to product design and deployment

INTERMEDIATE

Skills Development: Bringing Your Interest to Life

- Design, build, and deploy a customized project tailored to your unique hobbies and interests – you think of it, we build it together!
- Apply the fundamental coding skills to further develop your skills – build websites, applications, or begin interacting with various AI programs

BEGINNER

Coding Foundations: Building a Solid Base

- Develop fundamental coding skills, including programming logic, syntax and methods in our Introduction to Coding class
- Explore the current and future applications of AI – learn how to use, implement, control and leverage this technology

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COURSE SCHEDULE
Fall Semester 2024

Course Name	Age Group	Total Hours	Course Period	Class Times
Intro to Python (I & II)	12+	32	13 Sep to 6 Dec (No class Oct 14-25)	Tues 5:00pm – 6:30pm Fri 3:00pm – 4:30pm
Website Design (UI/UX)	12+	34	11 Sep to 11 Dec (No class Oct 14-25)	Wed 5:00pm – 6:30pm Fri 5:00pm – 6:30pm
Python for Under 12 Years Old	9-12	26	14 Sep to 7 Dec	Sat 10:30am – 12:30pm
Capstone Project	13+		September to December Please enquire for more information	

Remarks:
1. All classes are restricted to a maximum of 6 students.
2. For course details, please refer to the course description or contact us.
3. "Python for Under 12 Years Old" is a variant of our Intro to Python class, adjusted based on students abilities.
4. Courses must be paid for in full prior to students starting classes.

INTRODUCTION TO CODING

- **Learn** basic coding skills and develop fundamental technological knowledge to prepare for the future

- **Discover** how coding intersects with fields like AI, design, history, finance, and more

- **Culminate** your coding journey by collaborating with university professors and organisations on impactful real-world projects

COURSE INFO

Course Length	32 hours total. 16 hours per section
Ages	9-12 or 12+ years old *Please check the course table for class times*
Course Fee	$540 per hour
Remarks	Separated into Section I and II to manage learning speed

Course Content:

Section I
- Variables, strings and basic logic
- If statements, for/while loops
- Data structures
- Automated drawing

Section II
- Functions and further algorithms
- Object Oriented Programming
- Build a simple game to play

WEBSITE DESIGN UI/UX

- **Design** and build fully functional, customized website
- **Learn** various techniques for styling, animation and user interactivity
- **Dive into** the theory behind creating attractive and engaging interfaces
- **Showcase** your creativity and apply these skills to enhance your portfolio in art, design, architecture or any creative field

COURSE INFO

Course Length	34 hours total
Ages	12+ years old
Course Fee	$540 per hour
Remarks	No prior coding experience required

Course Content:
- HTML formatting
- CSS styling
- Website layout and design
- User interface/experience theory
- Javascript animations
- Website deployment
- Website building tools (wix/figma)

CAPSTONE PROJECT

Building Real World Solutions

- **Collaborate** directly with professors, executives and our expert instructors to design and implement unique solutions for challenges

- **Boost your profile** by having your work showcased and used by prestigious partners like Hong Kong Maritime Museum, Stanford University, Johns Hopkins University or Silk Tea

- **Develop and gain practical hands-on experience** in website design, data science, computer vision and artificial intelligence

- **Receive** a joint certificate from our partner organization and our academy

COURSE INFO

This program empowers students to design, develop and implement completely unique software solutions for industry partners. Hence course info and structure will vary and be tailored for each project.

Project Length	Around 40-70 hours typically, taught over 3-5 months with unrestricted number of teaching hours and support
Project Section	2 sections – 1) Bootcamp, 2) Design and Deployment
Structure	Work in small teams of 2-4 students led by one instructor, focusing on specific aspects of the project, such as interface design, data science, machine learning, gaming, business development
Project Fee	Varies and charged on a per project basis. Ask us for more details
Remarks	Student applications will be reviewed by partner organisations