New

International
Advanced Diploma

Curated Courses: 2026/27

A resource for faculty guiding senior phase students as they plan pathways towards future study beyond school.

Education in Motion

CONTENT LIST

WHAT IS THE INTERNATIONAL ADVANCED DIPLOMA?

The IAD is a progressive curriculum for EiM students aged 16-18, comprising world-class A levels, and real-world skills gained via hands-on experiential learning in real-world contexts.

A level Qualifications	Real-world Skills	Real-world Context
World-class qualifications mean students gain access to top global university destinations.	The IAD develops seven core skills mapped to the University of Melbourne's New Metrics for Success to prepare students for life.	Experiential learning via carefully curated opportunities with top universities, leading companies, and NGOs.

Why choose the IAD?

The IAD offers a broader and more dynamic learning experience than traditional education by combining personalisation with a strong academic and skills-based focus, ensuring students develop both the knowledge and the practical capabilities for successful futures post-school.

Personalising the IAD journey

Students are supported to design a highly personalised experience by choosing their:
- IAD pathway
- A level qualifications
- EPQ topic
- Certifications and programmes to complement their chosen IAD pathway

All qualifications, microcredentials, and certificates earned throughout an individual's IAD journey are stored in a personalised digital wallet, providing a ***Real-world Skills Profile*** – a distinctive record of academic qualifications, adaptive capabilities, and validated real-world experiences, which together demonstrate a world-beating readiness for the future.

What are the five IAD pathways?

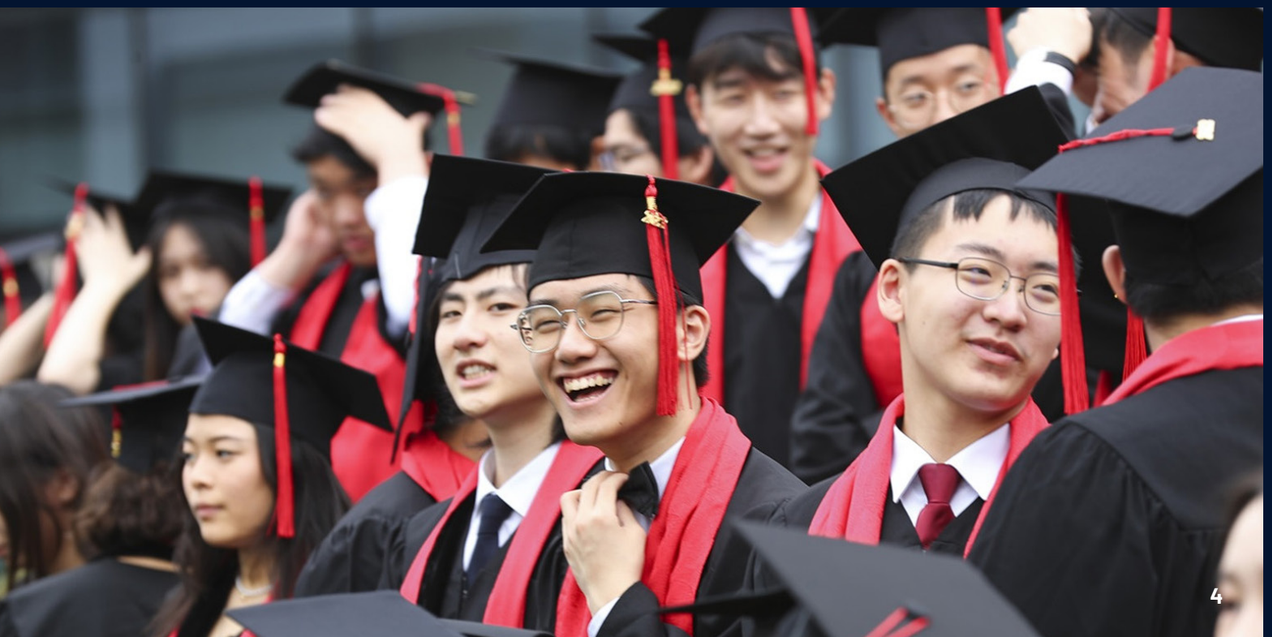
Students choose one of the five IAD pathways based on their strengths, interests, and future plans, as well as the availability of the pathways at their school.

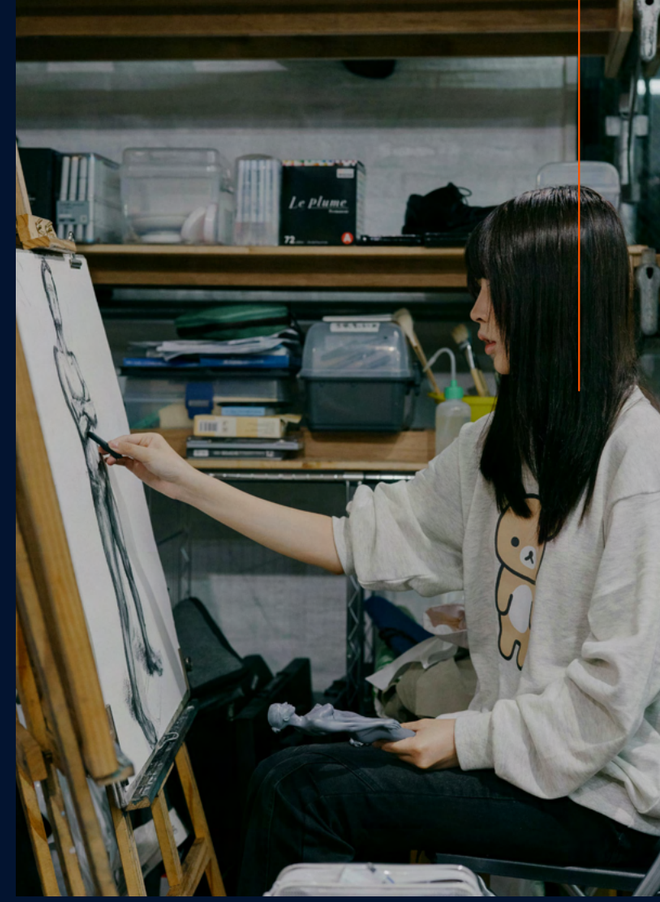
- Pathway 1: Arts, Design & Emerging Media
- Pathway 2: STEM & Engineering
- Pathway 3: Medical Sciences, Leadership & Coaching
- Pathway 4: Environmental Sciences & Ecopreneurship
- Pathway 5: Global Systems & Strategic Leadership

USING THE IAD CURATED COURSES GUIDE

Faculty can use this guide to introduce the IAD and help students explore, plan, and personalise their IAD journey, making confident, informed choices about their future pathways.

- **Introduce the IAD** and the available **IAD pathways** at your school.
- Once a pathway is chosen, guide on the programmes and certifications best-suited to the individual.
- Support **A level subject choices** suited to the interests, goals, and strengths of each student. A level choices can be exploratory, or aligned with the chosen IAD pathway.
- Guide students as they consider **EPQ topics.**
- Explain that all formal qualifications, microcredentials, and certifications achieved within the IAD journey will be saved to a personalised, digital **Real-world Skills Profile.**





GRAPHIC DESIGN SPECIALISATION

Learn and apply the principles of graphic design towards a comprehensive branding project.

Quick-Facts

- **Age:** Suitable for students ages 16-18
- **Composition:** 5-course series
- **Time to complete:** 2 months (10hrs a week)
- **Dates:** Flexible schedule
- **Delivery mode:** Online
- **Language of tuition:** Taught in English (other languages available)

Learning Outcomes

- Gain the fundamental skills needed to be a graphic designer
- Communicate through image-making and typography
- Complete a capstone project to add to your professional portfolio.
- Learn everything you need to know to work in interface design, motion graphics, and editorial design

Level
Beginner

Provider
CalARTS
coursera

Certification: Earn a career certificate from California Institute of the Arts

Cost: No additional cost (included in tuition fees)

GAME DESIGN: ART AND CONCEPTS SPECIALISATION

Create imaginative games.
Design a video game for independent distribution.

Level
Beginner

Provider
CalARTS
Coursera

Certification: Earn a career certificate from California Institute of the Arts

Cost: No additional cost (included in tuition fees)

Quick-Facts

- **Age:** Suitable for students ages 16-18
- **Composition:** 5-course series
- **Time to complete:** 4 weeks (10 hrs a week)
- **Dates:** Flexible schedule
- **Delivery mode:** Online
- **Language of tuition:** Taught in English (other languages available)

Learning Outcomes

- Learn ways to create and describe a game concept, plus story and character development, and winning gameplay
- Gain skills to evaluate and interpret different story styles
- Understand the concepts and approaches involved in creating successful character designs

WEB DESIGN FOR EVERYBODY: BASICS OF WEB DEVELOPMENT & CODING SPECIALISATION

Learn to Design and Create Websites. Build a responsive and accessible web portfolio using HTML5, CSS3, and JavaScript

Level
Beginner

Provider
Coursera
University of Michigan

Certification: Earn a career certificate from Michigan State University

Cost: No additional cost (included in tuition fees)

Quick-Facts

- **Age:** Suitable for students ages 16-18
- **Composition:** 5-course series
- **Time to complete:** 2 months (10 hrs a week)
- **Dates:** Flexible schedule
- **Delivery mode:** Online
- **Language of tuition:** Taught in English (other languages available)

Learning Outcomes

- Learn how to add interactivity to web pages with Javascript
- Become able to describe the basics of Cascading Style Sheets (CSS3)
- Understand how to use the Document Object Model (DOM) to modify pages
- Know how to apply responsive design to enable pages to be viewed by various devices

GAME DESIGN AND DEVELOPMENT WITH UNITY SPECIALISATION

Launch your career in a top-ranked game design and development programme. Learn the theory and practice of game-making using Unity 2020

Level
Beginner

Provider
Coursera
University of Michigan

Certification: Earn a career certificate from Michigan State University

Cost: Please consult your Senior School Academic Lead for further guidance

Quick-Facts

- **Age:** Suitable for students ages 16-18
- **Composition:** 5-course series
- **Time to complete:** 2 months (10 hrs a week)
- **Dates:** Self-paced schedule
- **Delivery mode:** Online
- **Language of tuition:** Taught in English (other languages available)

Learning Outcomes

- The ability to design and develop 2D and 3D games
- Understand the game design and development process
- Gain industry skills

GRAPHIC DESIGN AND ILLUSTRATION A/B

A graphic design course to help develop technical knowledge and critical skills for successful futures in the graphic design industry

Level
Beginner

Provider
ASU

Undergraduate Credit: This is a one-credit high school course from Arizona State University

Cost: Please consult your Senior School Academic Lead for further guidance

Quick-Facts

- **Age:** Suitable for students ages 16-18
- **Composition:** 1 course
- **Time to complete:** One year (5 hrs per week)
- **Dates:** Self-paced schedule
- **Delivery mode:** Online
- **Language of tuition:** Taught in English (other languages available)

Learning Outcomes

- Understand the history of graphic design
- Discover the range of digital images and how to create, manipulate, and store them
- Gain graphic design skills and use design tools
- Learn about copyright law

INTRODUCTION TO VISUAL ARTS

Break into the world of visual arts and understand, and gain the ability to critique

Level
Beginner

Provider
ASU

Undergraduate Credit: This is a half-credit high school course from Arizona State University

Cost: Please consult your Senior School Academic Lead for further guidance

Quick-Facts

- **Age:** Suitable for students ages 16-18
- **Composition:** 1 course
- **Time to complete:** One semester
- **Dates:** Self-paced schedule
- **Delivery mode:** Online
- **Language of tuition:** Taught in English (other languages available)

Learning Outcomes

- Learn about the history of art and the various art forms
- Be able to identify artistic elements and examine the principles of design
- Examine copyright laws and the ethical use of art

HARVARDX: CS50'S INTRODUCTION TO PROGRAMMING WITH SCRATCH

A gentle introduction to programming with Scratch and a springboard for subsequent courses in coding

Level
Beginner

Provider
edX

Certification: Validated course certification from HarvardX's CS50 programme

Cost: Please consult your Senior School Academic Lead for further guidance

Quick-Facts

- **Age:** Suitable for students ages 16-18
- **Composition:** 1 course
- **Time to complete:** 3 weeks
- **Dates:** Self-paced schedule
- **Delivery mode:** Online
- **Language of tuition:** Taught in English (other languages available)

Learning Outcomes

- Gain knowledge of programming fundamentals: functions, events, values, conditions, loops, variables, and abstraction
- Learn how to use Scratch, a visual programming language
- Become prepared for more advanced CS50 courses

EDX INTRO COURSE: DATA STORYTELLING

An ideal course for building a compelling narrative using data to drive business decisions

Level
Beginner

Provider
edX

Certification: Validated course certification from edX

Cost: Please consult your Senior School Academic Lead for further guidance

Quick-Facts

- **Age:** Suitable for students ages 16-18
- **Composition:** 1 course
- **Time to complete:** 4 weeks (20-40 hours per week)
- **Dates:** Self-paced schedule
- **Delivery mode:** Online
- **Language of tuition:** Taught in English (other languages available)

Learning Outcomes

- Learn how to use Google Data Studio and create a dashboard
- Understand basic design principles
- Understand how to present data as powerful visual stories for the specific purpose and audience.

CONCEPT ART: DESIGNING AND DRAWING PROPS

Master the essential skills of concept art by learning to design, sketch, and render believable props for film, animation, or game art

Level
Beginner

Provider
Leeds Arts University / Future Learn

Certification: Validated course certification from FutureLearn

Cost: Please consult your Senior School Academic Lead for further guidance

Quick-Facts

- **Age:** Suitable for students ages 16-18
- **Composition:** 4 modules
- **Time to complete:** 4 weeks (3 hours per week)
- **Dates:** Instructor-led course
- **Delivery mode:** Online
- **Language of tuition:** Taught in English (other languages available)

Learning Outcomes

- Identify features of real-world objects to inform conceptual prop design
- Explore an iterative design process to create concept art props
- Apply appropriate values and colour to the conceptual prop design
- Practice the use of line work to define conceptual details and communicate design intent
- Learn how to develop sketches in 2D and make them 3D
- Discover how to render 3D designs

DESIGN THINKING AND PROCESS

Think differently and dream bigger! This course launches the development of the first-year portfolio, which documents students' journeys toward becoming creative professionals

Level
Beginner

Provider
SCAD

Undergraduate Credit:
Earn five university credits from SCAD - the Savannah College of Art & Design

Cost:
€2300 per student

Quick-Facts

- **Age:** Suitable for students ages 16-18
- **Composition:** 1 course
- **Time to complete:** 10 weeks
- **Dates:** Self-paced and lecturer-led schedule
- **Delivery mode:** Online
- **Language of tuition:** Taught in English (other languages available)

Learning Outcomes

- Develop creative thinking skills through organisational methods and iterative design
- Discover elements of design and principles of organisation
- Focus on creative thinking, ideation, and problem-solving

SKETCHING AND DRAWING

From quick sketches to detailed drawings, students build the essential skills that creative professionals use daily

Level
Beginner

Provider
SCAD

Undergraduate Credit:
Earn five university credits from SCAD - the Savannah College of Art & Design

Cost:
€2300 per student

Quick-Facts

- **Age:** Suitable for students ages 16-18
- **Composition:** 1 course
- **Time to complete:** 10 weeks
- **Dates:** Self-paced and lecturer-led schedule
- **Delivery mode:** Online
- **Language of tuition:** Taught in English (other languages available)

Learning Outcomes

- Develop perceptual drawing skills from direct observation, emphasising techniques for accurately sighting, measuring, and applying theories of perspective.
- Through hands-on exercises, learn to capture proportions and spatial relationships, laying the foundation for quickly sketching and visually communicating ideas with clarity and confidence.
- Showcase your expertise through professional-level critiques and presentations.

INK TO IDEAS: CRITICAL CONCEPTS IN LITERATURE AND WRITING

Authors through the centuries have used the interdependent skills of reading and writing to discover and engage with ideas across a range of complex topics and subject matter

Level
Beginner

Provider
SCAD

Undergraduate Credit: Earn five university credits from SCAD - the Savannah College of Art & Design

Cost:€2300 per student

Quick-Facts

- **Age:** Suitable for students ages 16-18
- **Composition:** 1 course
- **Time to complete:** 10 weeks
- **Dates:** Self-paced and lecturer-led schedule
- **Delivery mode:** Online
- **Language of tuition:** Taught in English (other languages available)

Learning Outcomes

- Learn techniques to read, critique, and interpret a variety of texts
- Discover how to apply narrative, expository, and evidence-based rhetorical strategies to convey ideas in written work

VISUAL CULTURE IN CONTEXT: PRE-MODERN GLOBAL PERSPECTIVES

The study of human culture and experience is grounded in the investigation of creativity, continuity, and invention

Level
Beginner

Provider
SCAD

Undergraduate Credit: Earn five university credits from SCAD - the Savannah College of Art & Design

Cost: €2300 per student

Quick-Facts

- **Age:** Suitable for students ages 16-18
- **Composition:** 1 course
- **Time to complete:** 10 weeks
- **Dates:** Self-paced and lecturer-led schedule
- **Delivery mode:** Online
- **Language of tuition:** Taught in English (other languages available)

Learning Outcomes

- Learn how to examine artefacts from across the globe within key historical moments
- Build a language to describe and contextualise global visual productions by a range of cultures
- Uncover how to read critically to inform analytical thinking and writing
- Explore significant contributions to the development of cultural expression from the Palaeolithic to the late Medieval period

VISUAL CULTURE IN CONTEXT: MAKING MODERNITY

Discover historical and contemporary expressive practices through critical encounters with visual and cultural productions from across the globe

Level
Beginner

Provider
SCAD

Undergraduate Credit: Earn five university credits from SCAD - the Savannah College of Art & Design

Cost: €2300 per student

Quick-Facts

- **Age:** Suitable for students ages 16-18
- **Composition:** 1 course
- **Time to complete:** 10 weeks
- **Dates:** Self-paced and lecturer-led schedule
- **Delivery mode:** Online
- **Language of tuition:** Taught in English (other languages available)

Learning Outcomes

- Explore the emergence of global consciousness and innovative forms of expression
- Engage in research, close readings, and visual analysis of artefacts from the Early Modern, Modern, and Post-Modern periods

SPEAKING OF IDEAS

Learn how to engage in thoughtful public discourse and communication about ideas that shape the human experience

Level
Beginner

Provider
SCAD

Undergraduate Credit: Earn five university credits from SCAD - the Savannah College of Art & Design

Cost: €2300 per student

Quick-Facts

- **Age:** Suitable for students ages 16-18
- **Composition:** 1 course
- **Time to complete:** 10 weeks
- **Dates:** Self-paced and lecturer-led schedule
- **Delivery mode:** Online
- **Language of tuition:** Taught in English (other languages available)

Learning Outcomes

- From history, religion, and identity to innovation, creative expression, and beyond, students study rhetorical concepts and examples to make informed contributions and enrich their skills in authentic self-presentation.

DIGITAL COMMUNICATIONS

Learn effective digital communications - fundamental to all creative professions

Level
Beginner

Provider
SCAD

Undergraduate Credit: Earn five university credits from SCAD - the Savannah College of Art & Design

Cost: €2300 per student

Quick-Facts

- **Age:** Suitable for students ages 16-18
- **Composition:** 1 course
- **Time to complete:** 10 weeks
- **Dates:** Self-paced and lecturer-led schedule
- **Delivery mode:** Online
- **Language of tuition:** Taught in English (other languages available)

Learning Outcomes

- Investigate the diverse applications of digital tools and methods
- Learn how to develop foundational strategies for confident communication.
- Through research, ideation, and production, build a comprehensive understanding of the competencies common to digital expression and communicating their professional identity in a digital world

INTRODUCTION TO ADVERTISING: CONCEPT TO CONTENT

Every great campaign begins with an idea that sparks the creative process!

Level
Beginner

Provider
SCAD

Undergraduate Credit: Earn five university credits from SCAD - the Savannah College of Art & Design

Cost: €2300 per student

Quick-Facts

- **Age:** Suitable for students ages 16-18
- **Composition:** 1 course
- **Time to complete:** 10 weeks
- **Dates:** Self-paced and lecturer-led schedule
- **Delivery mode:** Online
- **Language of tuition:** Taught in English (other languages available)

Learning Outcomes

- Become equipped with a clear understanding of strategy, audience, and brand purpose
- Understand how to leverage industry trends and begin to concept these big ideas
- Guided by the brand brief, students practice copywriting and art direction to develop original solutions to brand problems

CAMERA EXPLORATION & TECHNIQUE

Level
Beginner

Provider
SCAD

Discover digital photography and how this powerful communication tool is central to various creative careers

Undergraduate Credit: Earn five university credits from SCAD - the Savannah College of Art & Design

Cost: €2300 per student

Quick-Facts

- **Age:** Suitable for students ages 16-18
- **Composition:** 1 course
- **Time to complete:** 10 weeks
- **Dates:** Self-paced and lecturer-led schedule
- **Delivery mode:** Online
- **Language of tuition:** Taught in English (other languages available)

Learning Outcomes

- Experiment with manual camera controls and digital workflow in the context of professional conventions
- Explore imaginative visual communication applications
- Discover dynamic career trajectories within fine art, advertising and editorial photography

BUSINESS I: FUNDAMENTALS

Level
Beginner

Provider
SCAD

Gain knowledge of business fundamentals - essential for careers in creative industries

Undergraduate Credit: Earn five university credits from SCAD - the Savannah College of Art & Design

Cost: €2300 per student

Quick-Facts

- **Age:** Suitable for students ages 16-18
- **Composition:** 1 course
- **Time to complete:** 10 weeks
- **Dates:** Self-paced and lecturer-led schedule
- **Delivery mode:** Online
- **Language of tuition:** Taught in English (other languages available)

Learning Outcomes

- Discover business fundamentals: research, accounting, finance, organisational structure, human resources, intellectual property, and marketing.
- Learn the terminology and basic tenets of business and finance through case studies and real-world applications.

MANAGEMENT IN THE CREATIVE ENVIRONMENT

Level
Beginner

Provider
SCAD

An introductory course on the four principles of management necessary to any creative workplace: planning, organising, leading and controlling

Undergraduate Credit: Earn five university credits from SCAD - the Savannah College of Art & Design

Cost: €2300 per student

Quick-Facts

- **Age:** Suitable for students ages 16-18
- **Composition:** 1 course
- **Time to complete:** 10 weeks
- **Dates:** Self-paced and lecturer-led schedule
- **Delivery mode:** Online
- **Language of tuition:** Taught in English (other languages available)

Learning Outcomes

- Develop critical thinking skills as a prelude to managerial skills with particular emphasis on decision-making, interpersonal communication, ethical choices and social responsibility.
- Examine important legal issues involved in the management of a business in art, design and other creative professions.

BUSINESS I: FUNDAMENTALS

Level
Beginner

Provider
SCAD

Gain knowledge of business fundamentals - essential for careers in creative industries

Undergraduate Credit: Earn five university credits from SCAD - the Savannah College of Art & Design

Cost: €2300 per student

Quick-Facts

- **Age:** Suitable for students ages 16-18
- **Composition:** 1 course
- **Time to complete:** 10 weeks
- **Dates:** Self-paced and lecturer-led schedule
- **Delivery mode:** Online
- **Language of tuition:** Taught in English (other languages available)

Learning Outcomes

- Discover business fundamentals: research, accounting, finance, organisational structure, human resources, intellectual property, and marketing.
- Learn the terminology and basic tenets of business and finance through case studies and real-world applications.

Students explore the mathematical and scientific principles that underlie technological advancements and engineering design.

This pathway combines theoretical understanding with hands-on application, engaging students in research projects, prototype development, and systematic problem-solving. Students develop expertise in data analysis, experimental design, and computational thinking while working on real-world challenges that require interdisciplinary scientific knowledge and innovative engineering solutions.

Example university courses/careers:
Mechanical Engineer | Software Developer | Biomedical Scientist | Robotics Engineer | Astrophysicist | Chemical Engineer | Civil Engineer | Data Analyst | AI Researcher | Science or Maths Educator

PYTHON FOR EVERYBODY SPECIALISATION

Learn to program and analyse data with Python. Develop programs to gather, clean, analyse, and visualise data

Quick-Facts

- **Age:** Suitable for students ages 16-18
- **Composition:** 5-course series
- **Time to complete:** 2 months (10 hours per week)
- **Dates:** Self-paced schedule
- **Delivery mode:** Online
- **Language of tuition:** Taught in English (other languages available)

Learning Outcomes

- Discover how to write your first program in Python, learning the basics of Python programming language
- Learn fundamental programming concepts, including data structures, networked application programming interfaces, and databases
- In the Capstone Project, you'll design and create your own applications for data retrieval, processing, and visualisation

Level
Beginner

Provider
coursera UNIVERSITY OF MICHIGAN

Certification: Validated course certification from University of Michigan

Cost: Please consult your Senior School Academic Lead for further guidance

INTRODUCTION TO ENGINEERING MECHANICS

An excellent introduction for future civil/mechanical engineers in learning and applying principles to solve engineering mechanics problems

Quick-Facts

- **Age:** Suitable for students ages 16-18
- **Composition:** 5 modules
- **Time to complete:** 1 week (10 hours per week)
- **Dates:** Self-paced schedule
- **Delivery mode:** Online
- **Language of tuition:** Taught in English (other languages available)

Learning Outcomes

- Learn how to define force, plus modelling, and how to analyse static equilibrium problems using real-world engineering applications and problem-solving

Level
Beginner

Provider
coursera

Undergraduate Credit: Course certification from cousera, validated by the Georgia Institute of Technology.

Cost: Please consult your Senior School Academic Lead for further guidance

ASTRONOMY: EXPLORING TIME AND SPACE

A fascinating course for aspiring astrophysicists or aerospace engineers

Quick-Facts

- **Age:** Suitable for students ages 16-18
- **Composition:** 11 modules
- **Time to complete:** 5 weeks (10 hours per week)
- **Dates:** Self-paced schedule
- **Delivery mode:** Online
- **Language of tuition:** Taught in English (other languages available)

Learning Outcomes

- Gain an overview of science, including time and space
- Discover the night sky and a taster in astronomy, including the role of the telescope
- Explore matter and radiation
- Step into space exploration and the solar system, stars and galaxies - and the Big Bang

Level
Beginner

Provider
ASU coursera

Undergraduate Credit: Course certification from coursera, validated by Arizona State University

Cost: Please consult your Senior School Academic Lead for further guidance

INTRODUCTION TO ENGINEERING

Learn the skills and tools to think and solve problems like an engineer

Level
Beginner

Provider
ASU coursera

Certification and Undergraduate Credit
Course certification from coursera, validated by Arizona State University.
ASU Universal Learner 2-credit course.

Cost: Please consult your Senior School Academic Lead for further guidance.

Quick-Facts

- **Age:** Suitable for students ages 16-18
- **Composition:** 1 course
- **Time to complete:** 16 weeks (10 hours per week)
- **Dates:** Self-paced schedule
- **Delivery mode:** Online
- **Language of tuition:** Taught in English (other languages available)

Learning Outcomes

- Evaluate the quality of your own and others' work through self and peer assessment
- Apply the engineering design process to design, build, and test a physical prototype
- Use and select appropriate tools and technical skills to collect and analyse data to justify design decisions
- Write technical project reports and give oral/ multimedia presentations
- Apply project management skills to project plans, schedules, and budgets

PRECALCULUS

A personalised precalculus course for students who want to progress to future studies in calculus

Level
Beginner

Provider
ASU coursera

Undergraduate Credit:ASU Universal Learner 3-credit course toward the MATH: Mathematics General Studies requirement at Arizona State University.

Cost: Please consult your Senior School Academic Lead for further guidance

Quick-Facts

- **Age:** Suitable for students ages 16-18
- **Composition:** 1 course
- **Time to complete:** 16 weeks
- **Dates:** Self-paced, on-demand schedule/ 8-week session
- **Delivery mode:** Online
- **Language of tuition:** Taught in English (other languages available)

Learning Outcomes

- Learn how to use basic algebraic operations on numbers, expressions, and equations
- Understand how to solve real-world problems
- Apply algebraic and trigonometric reasoning to solve a range of problems

HABITABLE WORLDS

An exciting astrobiology course examining planetary habitability, climate, and the search for life beyond Earth

Level
Beginner

Provider
ASU coursera

Undergraduate Credit: This course includes a lab and satisfies 4 credit hours toward the Natural Science - Quantitative (SQ) General Studies requirements at Arizona State University.

Cost: Please consult your Senior School Academic Lead for further guidance.

Quick-Facts

- **Age:** Suitable for students ages 16-18
- **Composition:** 1 course
- **Time to complete:** 16 weeks
- **Dates:** Self-paced, on-demand schedule / Instructor-led 8-week session
- **Delivery mode:** Online
- **Language of tuition:** Taught in English (other languages available)

Learning Outcomes

- Discover the conditions that make a planet habitable
- Understand Earth as an inhabited world and how this knowledge informs the search for life elsewhere
- Use and understand data, and apply reasoning to scientific modelling
- Develop problem-solving skills, including breaking complex problems into smaller steps

STANFORDONLINE: COMPUTER SCIENCE 101

Introduction to Computer Science for newcomers. Play with little phrases of code to understand what computers are all about.

Level
Beginner

Provider
Stanford University edX

Certification:
Course certification from edX, validated by Stanford.

Cost: Please consult your Senior School Academic Lead for further guidance

Quick-Facts

- **Age:** Suitable for students ages 16-18
- **Composition:** 1 course
- **Time to complete:** 6 weeks (4-6 hours per week)
- **Dates:** Self-paced schedule
- **Delivery mode:** Online
- **Language of tuition:** Taught in English (other languages available)

Learning Outcomes

- Learn about the nature of computers and code, and what they can and cannot do
- Understand how hardware and software work
- Get to grips with computing jargon
- Explore how the internet works
- Learn the basics of cybersecurity
- Discover how digital media works

HARVARDX: SUPER-EARTHS AND LIFE

Level
Beginner

Provider

Learn about the Earth, life, and how we can search for life elsewhere in the universe.

Certificate: Course certification from HarvardX

Cost: Please consult your Senior School Academic Lead for further guidance.

Quick-Facts

- **Age:** Suitable for students ages 16-18
- **Composition:** 7 modules
- **Time to complete:** 15 weeks (3-5 hours per week)
- **Dates:** Self-paced schedule
- **Delivery mode:** Online
- **Language of tuition:** Taught in English (other languages available)

Learning Outcomes

- Explore how life may have arisen on Earth and how it might change over time
- Find out what makes a planet favourable for life and how we discover planets and superearths
- Find out how we search for other/alien life in our universe
- Ponder one of our most powerful and primal questions: are we alone?

CIRCUITS AND ELECTRONICS

Level
Beginner

Provider

Introduction to Computer Science for newcomers. Play with little phrases of code to understand what computers are all about.

Certification: Validated course certification from Massachusetts Institute of Technology.

Cost: Please consult your Senior School Academic Lead for further guidance.

Quick-Facts

- **Age:** Suitable for students ages 16-18
- **Composition:** 3-course series
- **Time to complete:** c. 17 weeks / 4 months
- **Dates:** Self-paced study
- **Delivery mode:** Online
- **Language of tuition:** Taught in English (other languages available)

Learning Outcomes

- Learn how to design and analyse circuits using both intuition and mathematical analysis
- How to construct and analyse filters and their frequency response using capacitors and inductors
- Design circuit applications using MOS transistors and operational amplifiers
- How to measure circuit variables using tools such as virtual oscilloscopes, virtual multimeters, virtual frequency analysers, and virtual signal generators
- Compare the measurements of the circuit variables with the behavior predicted by mathematical models and explain the discrepancies

BEGIN ROBOTICS

Level
Beginner

Provider
Future Learn · University of Reading

Launch into robotics with an interactive intro to how robots are built and controlled - before test-driving one

Certificate: Course certification from FutureLearn, validated by University of Reading.

Cost: Please consult your Senior School Academic Lead for further guidance.

Quick-Facts

- **Age:** Suitable for students ages 16-18
- **Composition:** 1 course
- **Time to complete:** 4 weeks (3 hours per week)
- **Dates:** Instructor-led schedule
- **Delivery mode:** Online
- **Language of tuition:** Taught in English (other languages available)

Learning Outcomes

- Delve into the different applications of robots, human-robot interaction, and robot cooperation that mimics living systems
- Discover the basics of robot anatomy and the key components of robot design, control, and behaviour
- You'll test drive an ERIC – University of Reading's very own mobile robot
- Delve into cybernetics and the importance of control systems, feedback loops, and human-machine interactions

ESSENTIAL MATHEMATICS FOR DATA SCIENCE AND MACHINE LEARNING: USING R

Level
Beginner

Provider
CloudSwift · Future Learn

Get up to speed on essential mathematics for data science and machine learning using R

Certification: Course certification from FutureLearn, validated by CloudSwift.

Cost: Please consult your Senior School Academic Lead for further guidance

Quick-Facts

- **Age:** Suitable for students ages 16-18
- **Composition:** Course 5 of a 6-course series
- **Time to complete:** 4 weeks (6 hours per week)
- **Dates:** Self-paced schedule
- **Delivery mode:** Online
- **Language of tuition:** Taught in English (other languages available)

Learning Outcomes

- Become familiar with equations, functions, and graphs
- Be able to calculate differentiation and optimisation
- Understand vectors and matrices
- Interpret statistics and probability
- Use your skills in an applied way and use R, the programming language, to implement the concepts you have learned

SPEAKING OF IDEAS

Learn how to engage in thoughtful public discourse and communication about ideas that shape the human experience

Level
Beginner

Provider
SCAD

Undergraduate Credit: Earn five university credits from SCAD - the Savannah College of Art & Design

Cost: €2300 per student.

Quick-Facts

- **Age:** Suitable for students ages 16-18
- **Composition:** 1 course
- **Time to complete:** 10 weeks
- **Dates:** Self-paced and lecturer-led schedule
- **Delivery mode:** Online
- **Language of tuition:** Taught in English (other languages available)

Learning Outcomes

- From history, religion, and identity to innovation, creative expression, and beyond, students study rhetorical concepts and examples to make informed contributions and enrich their skills in authentic self-presentation.

Pathway overview
Students investigate biological systems and human behaviour through an integrated study of anatomy, physiology, psychology, and interpersonal dynamics.

This pathway prepares students for healthcare, coaching, and leadership roles by combining scientific knowledge with practical skills in communication, motivation, and team building. Students engage in laboratory research, clinical observations, and mentorship experiences that develop both scientific literacy and the interpersonal competencies essential for human-centred professions.

Example university courses/careers:
Medicine | Sports Scientist | Physiotherapist | Performance Analyst | Strength & Conditioning Coach | PE Teacher | Sport Psychologist | Health and Fitness Consultant | Rehabilitation Specialist | Sports Coach or Manager

SCIENCE OF EXERCISE

Gain a scientific understanding of how the body responds to exercise, apply this knowledge through active assessments, and evaluate the role of exercise in improving health and preventing disease

Level
Beginner

Provider
coursera

Certification: Course certification from coursera, validated by University of Colorado Boulder.

Cost: Please consult your Senior School Academic Lead for further guidance.

Quick-Facts

- **Age:** Suitable for students ages 16-18
- **Composition:** 4 modules
- **Time to complete:** 1 week (10 hours per week)
- **Dates:** Self-paced schedule
- **Delivery mode:** Online
- **Language of tuition:** Taught in English (other languages available)

Learning Outcomes

- Explain the relationship between exercise and the body's physiological responses, including carbohydrate, fat, and protein metabolism
- Describe the role of nutritional choices and their impact on health and training
- Summarise the factors that contribute to muscle soreness, fatigue, and the dangers associated with performance-enhancing drugs

THE SCIENCE OF TRAINING YOUNG ATHLETES

This course is packed with practical sports science knowledge to keep kids engaged, healthy, and thriving in sports by fostering fun, skill development, and injury prevention throughout their growth

Level
Beginner

Provider
coursera
UF UNIVERSITY of FLORIDA

Certification: Course certification from coursera, validated by University of Florida.

Cost: Please consult your Senior School Academic Lead for further guidance.

Quick-Facts

- **Age:** Suitable for students ages 16-18
- **Composition:** 5 modules
- **Time to complete:** 2 weeks (10 hours per week)
- **Dates:** Self-paced schedule
- **Delivery mode:** Online
- **Language of tuition:** Taught in English (other languages available)

Learning Outcomes

- Learn how an athlete's motor abilities of endurance, strength, speed, coordination, and flexibility are affected by growth and maturation
- Discover strategies for ensuring long-term sports development
- How to design training to stimulate body cells and structures to become stronger and more efficient
- Balancing endurance, strength, and power in sport through puberty
- Learn about coordination and flexibility in childhood and adolescence

INTRODUCTION TO PSYCHOLOGY

Uncover the most interesting experiments within the field of psychology and how they help us understand the human mind and human behaviour.

Level
Beginner

Provider
coursera
UNIVERSITY OF TORONTO

Certification: Course certification from coursera, validated by University of Toronto.

Cost: Please consult your Senior School Academic Lead for further guidance

Quick-Facts

- **Age:** Suitable for students ages 16-18
- **Composition:** 12 modules
- **Time to complete:** 2 weeks (10 hours per week)
- **Dates:** Self-paced schedule
- **Delivery mode:** Online
- **Language of tuition:** Taught in English (other languages available)

Learning Outcomes

- Identify and discuss some of the major movements in the Science of Psychology.
- Understand brain organisation and structure.
- Learn how the brain uses input from the world.
- Discover how brains learn and about memory, including amnesia
- Learn about social psychology and mental illness disorders

MEDICAL TERMINOLOGY AND THE HUMAN BODY FUNDAMENTALS

Learn medical language used to describe the human body and understand how medical terminology works in healthcare.

Level
Beginner

Provider
coursera
MedCerts

Certification: Course certification from coursera, validated by MedCerts.

Cost: Please consult your Senior School Academic Lead for further guidance.

Quick-Facts

- **Age:** Suitable for students ages 16-18
- **Composition:** 4 modules
- **Time to complete:** 1 week (10 hours)
- **Dates:** Self-paced schedule
- **Delivery mode:** Online
- **Language of tuition:** Taught in English (other languages available)

Learning Outcomes

- Analyse and understand medical terminology
- Recognise the structure and function of human body systems, including anatomy, cells, physiology, and pathology
- Gain an understanding of the directional terms in relation to the human body
- Discuss pathology, the disease process, and endoscopy

INTRODUCTION TO HEALTH AND WELLNESS

Explore the latest trends in health, exercise, and wellness, including stress management, emotional health, wellbeing, and more

Level
Beginner

Provider
ASU

Undergraduate Credit: 3 credit hours towards the Social-Behavioural Sciences General Studies requirement at Arizona State University for students gaining a C grade or above on the course.

Cost: Please consult your Senior School Academic Lead for further guidance

Quick-Facts

- **Age:** Suitable for students ages 16-18
- **Composition:** 1 course
- **Time to complete:** 8 weeks (15-20 hours per week)/16 weeks (8-10 hours per week)
- **Dates:** Self-paced
- **Delivery mode:** Online
- **Language of tuition:** Taught in English (other languages available)

Learning Outcomes

- Learn how health, nutrition, and wellness play a role in everyday life
- Evaluate evidence that supports/disproves health claims
- Be able to give examples of how psychological, spiritual, and emotional health affect wellbeing and physical health
- Identify and manage personal health risks
- Identify and implement lifestyle changes to enhance longevity

INTRODUCTION TO ANATOMY AND PHYSIOLOGY

Learn the structure and function of the human body by exploring organ systems, basic disease concepts, and medical terminology through lectures and lab activities.

Level
Beginner

Provider
ASU

Undergraduate Credit:
4 credit hours toward the SCIT: Scientific Thinking in Natural Sciences General Studies requirement at Arizona State University.

Cost:
Please consult your Senior School Academic Lead for further guidance.

Quick-Facts

- **Age:** Suitable for students ages 16-18
- **Composition:** 1 course
- **Time to complete:** 16 weeks (8-10 hours per week)
- **Dates:** Self-paced
- **Delivery mode:** Online
- **Language of tuition:** Taught in English (other languages available)

Learning Outcomes

- Learn and use terminology associated with topics covered in this course
- Identify the anatomic structures of the major organ systems of the human body
- Analyse changes in science and healthcare technology and make informed decisions
- Describe the development of the organ systems and the impact of various disease states
- Demonstrate evidence-based critical thinking
- Solve scientific and clinical problems using reasoning skills

EXERCISE PHYSIOLOGY

Gain key scientific knowledge of how the body reacts and adapts to the stress of exercise and its role in preventing disease, improving strength, and promoting healthy longevity

Level
Beginner

Provider
Stanford Center for Health Education
edX

Certification:
Course certification from Stanford Center for Health Education.

Cost: Please consult your Senior School Academic Lead for further guidance.

Quick-Facts

- **Age:** Suitable for students ages 16-18
- **Composition:** 6 modules
- **Time to complete:** 6 weeks (7-10 hours per week)
- **Dates:** Instructor-paced study with scheduled classes
- **Delivery mode:** Online
- **Language of tuition:** Taught in English (other languages available)

Learning Outcomes

- Understand exercise physiology essentials
- Learn how physical activity impacts lifespan
- Discover the links between health, disease, and physical activity
- Gain knowledge of how environmental stressors affect performance
- Learn how to design systems for wellness

NUTRITION, EXERCISE, AND SPORTS

Learn about nutrition, exercise, and sports, and understand how nutrition can support exercise and sports performance.

Level
Intermediate

Provider
edX
Wageningen University & Research

Undergraduate Credit:
Course certification edX, validated by Wageningen University & Research.

Cost:
Please consult your Senior School Academic Lead for further guidance.

Quick-Facts

- **Age:** Suitable for students ages 16-18
- **Composition:** 6 modules
- **Time to complete:** 6 weeks (4-8 hours per week)
- **Dates:** Self-paced study
- **Delivery mode:** Online
- **Language of tuition:** Taught in English (other languages available)

Learning Outcomes

- Understand the key concepts of exercise physiology and sports nutrition science
- Understand the role of micronutrients and supplements in exercise and sports
- Learn the nutritional aspects of exercise and the relationship between exercise, nutrition, and health, also during ageing
- Know why certain nutritional strategies can enhance exercise and sports performance
- Develop a critical mindset in the field of nutrition, exercise, and sports

COACHING SKILLS: SPORTS COACHING AND LEADERSHIP

Learn valuable sports coaching skills to lead and motivate your high-performing team with this ExpertTrack from Deakin University

Level
Intermediate

Provider
Deakin University
Future Learn

Certification:
Course certification from FutureLearn, validated by Deakin University.

Cost: Please consult your Senior School Academic Lead for further guidance.

Quick-Facts

- **Age:** Suitable for students ages 16-18
- **Composition:** 5 mini courses
- **Time to complete:** 10 weeks (3 hours per week)
- **Dates:** Self-paced schedule
- **Delivery mode:** Online
- **Language of tuition:** Taught in English (other languages available)

Learning Outcomes

- Investigate the impact of a coach- or athlete-centred approach on athlete development and performance
- Recognise the changing landscape of coaching
- Investigate the role successful coaches play in developing a positive and cohesive team culture
- Analyse the difference between the thinking and the instinctive brain and evaluate how their separate functions impact key moments
- Apply all principles learned in practice

SPEAKING OF IDEAS

Learn how to engage in thoughtful public discourse and communication about ideas that shape the human experience

Level
Beginner

Provider
SCAD

Undergraduate Credit:
Earn five university credits from SCAD - the Savannah College of Art & Design

Cost:
€2300 per student.

Quick-Facts

- **Age:** Suitable for students ages 16-18
- **Composition:** 1 course
- **Time to complete:** 10 weeks
- **Dates:** Self-paced and lecturer-led schedule
- **Delivery mode:** Online
- **Language of tuition:** Taught in English (other languages available)

Learning Outcomes

- From history, religion, and identity to innovation, creative expression, and beyond, students study rhetorical concepts and examples to make informed contributions and enrich their skills in authentic self-presentation.

GENERAL ANATOMY

An introductory course to human anatomy

Level
Beginner

Provider
SCAD

Undergraduate Credit:
Earn five university credits from SCAD - the Savannah College of Art & Design

Cost:
€2300 per student.

Quick-Facts

- **Age:** Suitable for students ages 16-18
- **Composition:** 1 course
- **Time to complete:** 10 weeks
- **Dates:** Self-paced and lecturer-led schedule
- **Delivery mode:** Online
- **Language of tuition:** Taught in English (other languages available)

Learning Outcomes

- Investigate the structures found inside the human body
- Relate these structures to their specific functions, reviewing all 11 human organ systems.
- Learn comparative anatomy by comparing human structures to those of animals.

Pathway overview
This pathway integrates rigorous environmental science with entrepreneurial thinking to address pressing ecological challenges. Students conduct field research, analyse environmental data, and develop business models for sustainable solutions. Through laboratory work, outdoor investigations, and community partnerships, they build scientific literacy while learning to translate environmental knowledge into actionable enterprises. The programme emphasises both local ecosystem understanding and global environmental interconnections.

Example university courses/careers:
Ecology and Conservation | Environmental Science | Sustainable Development | Marine Biology | Environmental Policy and Law | Climate Science | Geographical Information Systems (GIS) | NGO Leadership | Environmental Education | Science Communication

ECOLOGY: ECOSYSTEM DYNAMICS AND CONSERVATION

This course introduces ecology and ecosystem dynamics through systems thinking and a case study of Mozambique's Gorongosa National Park

Level
Intermediate

Provider
coursera

Certification:
Course certification from coursera.

Cost: Please consult your Senior School Academic Lead for further guidance.

Quick-Facts

- **Age:** Suitable for students ages 16-18
- **Composition:** 5 modules
- **Time to complete:** 9 hours
- **Dates:** Self-paced schedule
- **Delivery mode:** Online
- **Language of tuition:** Taught in English (other languages available)

Learning Outcomes

- Understand the composition of an ecosystem, and how they interact as a whole
- Learn about populations and their roles within ecosystems
- Explore the interactions between species in an ecosystem
- Find out what makes an ecosystem a system by examining the flow of energy and matter through different parts of the environment
- Explore if an ecosystem can recover and its potential future challenges

INTRODUCTION TO SUSTAINABILITY

A comprehensive course on sustainable development, covering climate change, biodiversity, energy, and policy solutions. Students learn the scientific and societal dimensions of sustainability challenges

Level
Beginner

Provider
Coursera
University of Illinois Urbana-Champaign

Certification: Course certification from coursera, validated by University of Illinois.

Cost: Please consult your Senior School Academic Lead for further guidance.

Quick-Facts

- **Age:** Suitable for students ages 16-18
- **Composition:** 8 modules
- **Time to complete:** 3 weeks (10 hours per week)
- **Dates:** Self-paced schedule
- **Delivery mode:** Online
- **Language of tuition:** Taught in English (other languages available)

Learning Outcomes

- Examine central ideas that underpin Earth as a system
- Learn how human populations have evolved and consider the next century of change
- Explore climate change, energy use, and the environmental pressures created by humans exploiting natural resources
- Understand the connection between water and food, and how we will feed the planet over the next century
- Explore environmental policy and measure sustainability

SUSTAINABILITY FOUNDATIONS CERTIFICATE

Sharpen your knowledge in sustainability, technological systems, environmental science, and societal impacts with ASU's Sustainability Foundations Certificate

Level
Beginner

Provider
ASU

Undergraduate Credit: Upon completion, you'll receive a College Foundations Certificate in Sustainability from ASU, as well as 10 credit hours that you can apply towards a bachelor's degree.

Cost: Please consult your Senior School Academic Lead for further guidance.

Quick-Facts

- **Age:** Suitable for students ages 16-18
- **Composition:** 4-course programme
- **Time to complete:** 6-12 months
- **Dates:** Self-paced
- **Delivery mode:** Online
- **Language of tuition:** Taught in English (other languages available)

Learning Outcomes

- Explore sustainability, and understand why it is important in our communities, for our planet, and in everyday life
- Understand the impact of technology on sustainability and society, using relevant historical examples and current issues
- Learn the interconnected nature of Earth's hydrosphere, lithosphere (soils and rocks), atmosphere, and biosphere

INTRODUCTION TO ENVIRONMENTAL SCIENCE

A year-long high school course exploring ecology, climate, natural resources, and human impacts

Level
Beginner

Provider
ASU

Undergraduate Credit: Students can earn high school science credit (and preparation for the AP exam).

Cost: Please consult your Senior School Academic Lead for further guidance.

Quick-Facts

- **Age:** Suitable for students ages 16-18
- **Composition:** 4-course programme
- **Time to complete:** 8 or 16 weeks
- **Dates:** Self-paced
- **Delivery mode:** Online
- **Language of tuition:** Taught in English (other languages available)

Learning Outcomes

- Discover how soils, the hydrosphere, and the atmosphere act to support life
- Learn about the biosphere and how ecosystems work
- Understand energy use and global climate change, plus pollution, solid waste, and recycling, and the design of sustainable communities
- Consider your role in the environment

CIRCULAR ECONOMY: AN INTRODUCTION

Ready to make a difference? Learn how to contribute to a sustainable economic system by implementing novel business and design approaches.

Level
Beginner

Provider
TU Delft edX

Certification: Course certification from edX, validated by TUDelft.

Cost: Please consult your Senior School Academic Lead for further guidance.

Quick-Facts

- **Age:** Suitable for students ages 16-18
- **Composition:** 7 episodes
- **Time to complete:** 7 weeks (3-6 hours per week)
- **Dates:** Self-paced study
- **Delivery mode:** Online
- **Language of tuition:** Taught in English (other languages available)

Learning Outcomes

- Learn what the circular economy is and how it addresses our current economic system.
- Discover businesses that create value in the circular economy.
- Understand product life extension through the eyes of designers and entrepreneurs.
- Find out the benefits of remanufacturing with researchers and entrepreneurs
- Redesign how we handle waste.
- Explore shifting from a linear to a circular economy and the sustainability of that shift.

SUSTAINABILITY SCIENCE – A KEY CONCEPT FOR FUTURE DESIGN

Discover sustainability science by learning theoretical concepts and practical applications in Japan and around the world

Level
Beginner

Provider
UTokyo edX

Certification: Course certification from edX, validated by the University of Tokyo.

Cost: Please consult your Senior School Academic Lead for further guidance.

Quick-Facts

- **Age:** Suitable for students ages 16-18
- **Composition:** 7 episodes
- **Time to complete:** 6 weeks (2-3 hours per week)
- **Dates:** Self-paced study
- **Delivery mode:** Online
- **Language of tuition:** Taught in English (other languages available)

Learning Outcomes

- Gain a holistic view of key issues in sustainability
- Explore historical and current sustainability challenges and approaches to solve them
- Discover Japanese experience in urban-rural land use to create new sustainable societies and resilient megacities.
- International and Japanese initiatives in the field of the human-nature connection
- Explore ecosystem-based disaster risk reduction (Eco-DRR) approaches and environmental governance

CLIMATE CHANGE SCIENCE AND NEGOTIATIONS

Let's address climate change. Learn how we can deeply decarbonise global energy systems, and put the world on a 2°C pathway

Level
Intermediate

Provider
edX SDGacademy

Certification: Course certification from edX, validated by SDGAcademyX.

Cost: Please consult your Senior School Academic Lead for further guidance.

Quick-Facts

- **Age:** Suitable for students ages 16-18
- **Composition:** 10 modules
- **Time to complete:** 10 weeks (2-4 hours per week)
- **Dates:** Self-paced study
- **Delivery mode:** Online
- **Language of tuition:** Taught in English (other languages available)

Learning Outcomes

- Understand the science of climate change, energy balance, and emissions -and international policy response
- Understand the role of nuclear power, electric vehicles, and other technologies
- Discover why there is a 2°C limit and why it's important
- Comprehend the process of global negotiations and agreements to regulate climate change

UNITING FOR A SUSTAINABLE FUTURE: AN INTRODUCTION TO GLOBAL SUSTAINABILITY

How do we create a sustainable future? Discover the path to global sustainability and how to take sustainable steps in your life

Level
Beginner

Provider
University of Glasgow Future Learn

Certification: Course certification from FutureLearn, validated by the University of Glasgow.

Cost: Please consult your Senior School Academic Lead for further guidance.

Quick-Facts

- **Age:** Suitable for students ages 16-18
- **Composition:** 10 modules
- **Time to complete:** 3 weeks (4 hours per week)
- **Dates:** Self-paced study
- **Delivery mode:** Online
- **Language of tuition:** Taught in English (other languages available)

Learning Outcomes

- Explain concepts of sustainability and sustainable development
- Reflect on social equity and economic development
- Investigate global challenges (Population, Poverty, Ecosystems, Climate Change, Energy, Water, Environmental Inequality, Pollution, and waste,e etc.)
- Evaluate sustainable solutions to global challenges
- Apply sustainability principles in day-to-day life

PLANET EARTH: UNDERSTANDING AND PROTECTING OUR ENVIRONMENT

Learn about Earth's physical geography and discover how to apply this knowledge to protect our natural environment

Level
Open

Provider
Future Learn
UNIVERSITY OF LEEDS

Certification: Course certification from FutureLearn, validated by the University of Leeds.

Cost: Please consult your Senior School Academic Lead for further guidance.

Quick-Facts

- **Age:** Suitable for students ages 16-18
- **Composition:** 1 course
- **Time to complete:** 2 weeks (3 hours per week)
- **Dates:** Self-paced study
- **Delivery mode:** Online
- **Language of tuition:** Taught in English (other languages available)

Learning Outcomes

- Explain the key processes of the natural environment: the hydrosphere, biosphere, and geosphere, and interpret them as a series of interlinked systems
- Investigate the impact of human activity on natural environmental systems
- Compare a range of approaches to environmental protection and management
- Explore the academic and employment opportunities in physical geography and environmental science

SPEAKING OF IDEAS

Learn how to engage in thoughtful public discourse and communication about ideas that shape the human experience

Level
Beginner

Provider
SCAD
The University for Creative Careers

Undergraduate Credit: Earn five university credits from SCAD - the Savannah College of Art & Design.

Cost: €2300 per student.

Quick-Facts

- **Age:** Suitable for students ages 16-18
- **Composition:** 1 course
- **Time to complete:** 10 weeks
- **Dates:** Self-paced and lecturer-led schedule
- **Delivery mode:** Online
- **Language of tuition:** Taught in English (other languages available)

Learning Outcomes

- From history, religion, and identity to innovation, creative expression, and beyond, students study rhetorical concepts and examples to make informed contributions and enrich their skills in authentic self-presentation.

Pathway overview
This pathway develops analytical thinking by studying interconnected economic, political, and social systems across cultures and historical periods. Students examine how societies organise resources, distribute power, and adapt to changing circumstances. Through case study analysis, policy research, and strategic planning projects, students build skills in systems analysis and collaborative leadership that prepare them for roles in international business, government, and social innovation. The program emphasises understanding global interdependencies and developing strategic thinking for effective leadership.

Example university courses/careers:
Economist | Entrepreneur | Management Consultant | Investment Banker | Marketing Executive | Financial Analyst | Supply Chain Manager | Business Owner | Policy Advisor | Startup Founder

FINANCIAL MARKETS

Explore how society manages risk and drives innovation through finance, learning key principles of risk management, behavioral finance, and leadership to understand and shape the future of industries like banking, insurance, and investment for a better world

Level
Beginner

Provider
coursera
Taught by Nobel laureate Robert Shiller
Yale

Certification: Course certification from coursera, validated by Yale.

Cost: Please consult your Senior School Academic Lead for further guidance.

Quick-Facts

- **Age:** Suitable for students ages 16-18
- **Composition:** 7 modules
- **Time to complete:** 3 weeks (10 hours per week)
- **Dates:** Self-paced schedule
- **Delivery mode:** Online
- **Language of tuition:** Taught in English (other languages available)

Learning Outcomes

- Learn about the financial markets, insurance, and the Capital Asset Pricing Model
- Understand behavioural finance, forecasting, pricing, debt, and inflation
- Discover stocks, bonds, dividends, shares, and market caps
- Take a look at the recent past, exploring recessions, bubbles, the mortgage crisis, and regulation
- Explore options and bonds, investment banking, exchanges, and more
- Learn about nonprofits, corporations, and careers in finance

BASICS OF ENTREPRENEURSHIP: THINKING AND DOING

Unlock your inner entrepreneurial mindset.
Learn to think and problem-solve like an entrepreneur!

Level
Beginner

Provider
ESSEC BUSINESS SCHOOL coursera

Certification: Course certification from coursera, validated by ESSEC Business School.

Cost: Please consult your Senior School Academic Lead for further guidance.

Quick-Facts

- **Age:** Suitable for students ages 16-18
- **Composition:** 4 modules
- **Time to complete:** 9 hours
- **Dates:** Self-paced schedule
- **Delivery mode:** Online
- **Language of tuition:** Taught in English (other languages available)

Learning Outcomes

- Understand what entrepreneurship is and when to use the skills of an entrepreneur.
- Gain two useful perspectives when looking to develop opportunities and business models
- Discover investment sources.
- Learn about the processes of entrepreneurship and innovation and how to develop opportunities
- Learn how to manage risks and design a business plan

GLOBAL DIPLOMACY: THE UNITED NATIONS IN THE WORLD

Understanding the United Nations, the complex UN family, the organisations' key functions, and themes helps learners develop important analysis, communication, and policy-making skills.

Level
Beginner

Provider
UNIVERSITY OF LONDON coursera

Certification: Course certification from coursera, validated by the University of London.

Cost: Please consult your Senior School Academic Lead for further guidance.

Quick-Facts

- **Age:** Suitable for students ages 16-18
- **Composition:** 6 modules
- **Time to complete:** 8 hours
- **Dates:** Self-paced schedule
- **Delivery mode:** Online
- **Language of tuition:** Taught in English (other languages available)

Learning Outcomes

- Understand what the UN 'is' and its functions
- Learn why the UN was created
- Understand the UN Security Council's function and role in global peace and security
- Learn about fundamental human rights and the Human Rights Council
- Get to know the family of UN agencies involved in humanitarian work, their relationships, and their role in responding to conflict
- Consider the future of the UN

BUSINESS STRATEGY SPECIALISATION

Learn how to evaluate industry evolution, build and sustain competitive advantage, formulate and assess business strategies, and how consultants solve business problems.

Level
Beginner

Provider
UNIVERSITY OF VIRGINIA coursera

Certification: Course certification from coursera, validated by the University of Virginia.

Cost: Please consult your Senior School Academic Lead for further guidance.

Quick-Facts

- **Age:** Suitable for students ages 16-18
- **Composition:** 5-course series
- **Time to complete:** 4 weeks
- **Dates:** Self-paced schedule
- **Delivery mode:** Online
- **Language of tuition:** Taught in English (other languages available)

Learning Outcomes

- Discover the foundations of business strategy, including the SWOT, competitor, and environmental analysis tools.
- Learn the dynamics of competition, internationalisation strategies, and stakeholder management.
- Learn to build and sustain competitive advantage and how to scale, assess potential merger/acquisition proposals.
- Understand how to perform strategic analysis and connect analysis to execution.
- Effectively and efficiently communicate key points with executive leadership.

MACROECONOMIC PRINCIPLES

Explore key macroeconomic concepts through the lens of households, businesses, and government policy—covering trade, innovation, taxation, inflation, and employment—to help you understand how economic decisions shape the world around us.

Level
Beginner

Provider
ASU

Undergraduate Credit: Students can earn 3 credit hours toward the SOBE: Social and Behavioural Sciences General Studies requirement at Arizona State University.

Cost: Please consult your Senior School Academic Lead for further guidance.

Quick-Facts

- **Age:** Suitable for students ages 16-18
- **Composition:** 2-part course
- **Time to complete:** 8 weeks
- **Dates:** Self-paced
- **Delivery mode:** Online
- **Language of tuition:** Taught in English (other languages available)

Learning Outcomes

- Apply marginal analysis to common economic decision problems
- Describe the economic decisions households and businesses make
- Understand economic efficiency and sources of deviations from it
- Interpret the main macroeconomic indicators commonly analysed to follow the economy in real time
- Understand the main policy discussions related to fiscal and monetary policy
- Describe the advantages of trade

INTRODUCTION TO GLOBAL AFFAIRS

Develop a deeper understanding of global affairs by exploring topics such as globalisation, governance, international development, human rights, and global security.

Level
Beginner

Provider
ASU

Undergraduate Credit:
This course satisfies 3 credit hours at Arizona State University.

Cost:
Please consult your Senior School Academic Lead for further guidance.

Quick-Facts

- **Age:** Suitable for students ages 16-18
- **Composition:** 2-part course
- **Time to complete:** 8 weeks
- **Dates:** Self-paced
- **Delivery mode:** Online
- **Language of tuition:** Taught in English (other languages available)

Learning Outcomes

- How to define globalisation and assess its influence on sovereignty and governance
- Examine key international organisations and their roles in global governance
- Analyse economic systems, trade, and development policies shaping today's world
- Explore security, human rights, and conflict in the context of international law
- Develop solutions to global challenges using theoretical frameworks and case studies

ASU PREP DIGITAL BUSINESS AND CAREER COURSES

ASU Prep Digital offers courses across multiple areas of study

Level
Beginner

Provider
ASU

Undergraduate Credit:
Many of these courses award high school and university credit concurrently.

Cost: Please consult your Senior School Academic Lead for further guidance.

Quick-Facts

- **Age:** Suitable for students ages 16-18
- **Composition:** Various
- **Time to complete:** Various
- **Dates:** Various
- **Delivery mode:** Online
- **Language of tuition:** Taught in English (other languages available)

Learning Outcomes

- A huge range of short courses with varied learning outcomes:
- www.asuprepdigital.org/university-courses/#college_business_career

HARVARDX: ENTREPRENEURSHIP IN EMERGING ECONOMIES

Learn with Harvard Business School professor Tarun Khannahow and explore how entrepreneurship and innovation tackle complex social problems in emerging economies

Level
Beginner

Provider
edX HarvardX

Certification:
Course certification from HarvardX.

Cost:
Please consult your Senior School Academic Lead for further guidance.

Quick-Facts

- **Age:** Suitable for students ages 16-18
- **Composition:** 7 episodes
- **Time to complete:** 6 weeks (3-5 hours per week)
- **Dates:** Self-paced study
- **Delivery mode:** Online
- **Language of tuition:** Taught in English (other languages available)

Learning Outcomes

- An awareness of the opportunities for entrepreneurship in fast-growing emerging markets.
- An appreciation of the types of problems that lend themselves to entrepreneurial solutions.
- An understanding of a conceptual framework for evaluating such opportunities.

FOUNDATIONS OF FINANCE

A rigorous, but straightforward, introduction to the key concepts of financial understanding. Using real-world case studies and practitioner interviews, you will integrate your new knowledge and problem-solving skills with practical application

Level
Beginner

Provider
University of Cambridge edX

Certification:
Course certification from edX, validated by the University of Cambridge.

Cost: Please consult your Senior School Academic Lead for further guidance.

Quick-Facts

- **Age:** Suitable for students ages 16-18
- **Composition:** 1 course
- **Time to complete:** 5 weeks (3-5 hours per week)
- **Dates:** Self-paced study
- **Delivery mode:** Online
- **Language of tuition:** Taught in English (other languages available)

Learning Outcomes

- Money and capital
- Financial reporting
- Cash flows and forecasting
- Interest and return
- Risk and risk management
- Financial markets
- Valuation
- Investment

ENTREPRENEURSHIP FOR ALL: THE STARTUP GUIDE BY SILICON VALLEY INSIDERS

A programme on entrepreneurship, by entrepreneurs, for everyone. It gives students the Silicon Valley insiders' view of startups, as its lecturers and guest speakers share their extensive experience in launching, growing, and funding successful startups

Level
Beginner

Provider
edX Berkeley

Certification: Course certification from edX, validated by Berkeley University of California.

Cost: Please consult your Senior School Academic Lead for further guidance.

Quick-Facts

- **Age:** Suitable for students ages 16-18
- **Composition:** 2 courses
- **Time to complete:** 5 weeks (3-5 hours per week)
- **Dates:** Self-paced study
- **Delivery mode:** Online
- **Language of tuition:** Taught in English (other languages available)

Learning Outcomes

- VALIDATE: Idea and business validation; Market sizing and analysis
- RECRUIT: Recruiting cofounders; attracting advisors and building a great team
- BUILD: User-centric design and efficient product development to Minimal Viable Product (MVP) launch and beyond
- FUND: Bootstrapping; angel and seed financing; accelerators and incubators; raising venture capital
- SCALE: Applying Lean Startup Methodology to achieve Product-Market Fit; Growth hacking strategies for sales and customer acquisition; distribution partnerships; scaling to liquidity events (M&A and IPOs)

WHAT IS LEADERSHIP?

Explore the essence of leadership and learn why it is different from management

Level
Intermediate

Provider
Future Learn
DEAKIN UNIVERSITY

Certification: Course certification from FutureLearn, accredited by Deakin University.

Cost: Please consult your Senior School Academic Lead for further guidance.

Quick-Facts

- **Age:** Suitable for students ages 16-18
- **Composition:** 1 course
- **Time to complete:** 2 weeks (3 hours per week)
- **Dates:** Self-paced study
- **Delivery mode:** Online
- **Language of tuition:** Taught in English (other languages available)

Learning Outcomes

- Learn what leadership means
- Discover what effective leadership is
- Uncover your leadership style
- Learn why leaders must be good role models
- Examine the differences between leadership and management to determine where you lie on the scale
- How to manage perceptions as a leader and how to influence people

ENTREPRENEURSHIP: FROM BUSINESS IDEA TO ACTION

Improve your knowledge of entrepreneurship and discover how to plan, develop, nurture, and build a successful business.

Level
Beginner

Provider
King's College London
Future Learn

Certification: Course certification from FutureLearn, accredited by Kings College London.

Cost: Please consult your Senior School Academic Lead for further guidance.

Quick-Facts

- **Age:** Suitable for students ages 16-18
- **Composition:** 1 course
- **Time to complete:** 4 weeks (4 hours per week)
- **Dates:** Self-paced study
- **Delivery mode:** Online
- **Language of tuition:** Taught in English (other languages available)

Learning Outcomes

- Explain the different characteristics of an entrepreneur
- Develop ideas and decide on a good idea to take forward
- Improve an entrepreneurial idea to express more detail, including your business structure, target customer, and resource requirements
- Summarise a vision and mission statement for your enterprise
- Identify how you might raise finance and develop your pitching skills
- Explore your action plan for the future, considering the importance of short- and long-term planning
- Produce your own self-development plan
- Recognise, appreciate, and apply feedback

SPEAKING OF IDEAS

Learn how to engage in thoughtful public discourse and communication about ideas that shape the human experience

Level
Beginner

Provider
SCAD
The University for Creative Careers

Undergraduate Credit: Earn five university credits from SCAD - the Savannah College of Art & Design.

Cost: €2300 per student.

Quick-Facts

- **Age:** Suitable for students ages 16-18
- **Composition:** 1 course
- **Time to complete:** 10 weeks
- **Dates:** Self-paced and lecturer-led schedule
- **Delivery mode:** Online
- **Language of tuition:** Taught in English (other languages available)

Learning Outcomes

- From history, religion, and identity to innovation, creative expression, and beyond, students study rhetorical concepts and examples to make informed contributions and enrich their skills in authentic self-presentation.

INTRODUCTION TO ANTHROPOLOGY

An introductory course to anthropology - the study of humans and their behaviour

Level
Beginner

Provider
SCAD

Undergraduate Credit:
Earn five university credits from SCAD - the Savannah College of Art & Design

Cost:
€2300 per student.

Quick-Facts

- **Age:** Suitable for students ages 16-18
- **Composition:** 1 course
- **Time to complete:** 10 weeks
- **Dates:** Self-paced and lecturer-led schedule
- **Delivery mode:** Online
- **Language of tuition:** Taught in English (other languages available)

Learning Outcomes

- Examine the richness of human experience from earliest recorded history to the present
- Discover how humans adapt to nature and each other, develop traditions and mythologies, use language to express ideas and identities, and invent and perceive visual culture

LANGUAGE, CULTURE & SOCIETY

This course provides an introduction to relationships between human language, culture and society

Level
Beginner

Provider
SCAD

Undergraduate Credit:
Earn five university credits from SCAD - the Savannah College of Art & Design

Cost:
€2300 per student.

Quick-Facts

- **Age:** Suitable for students ages 16-18
- **Composition:** 1 course
- **Time to complete:** 10 weeks
- **Dates:** Self-paced and lecturer-led schedule
- **Delivery mode:** Online
- **Language of tuition:** Taught in English (other languages available)

Learning Outcomes

- Examine and explore the unique properties of human language
- Explore the prominent role of language in cultural models and social organisations

BUSINESS I: FUNDAMENTALS

Gain knowledge of business fundamentals - essential for careers in creative industries

Level
Beginner

Provider
SCAD

Undergraduate Credit:
Earn five university credits from SCAD - the Savannah College of Art & Design

Cost:
€2300 per student.

Quick-Facts

- **Age:** Suitable for students ages 16-18
- **Composition:** 1 course
- **Time to complete:** 10 weeks
- **Dates:** Self-paced and lecturer-led schedule
- **Delivery mode:** Online
- **Language of tuition:** Taught in English (other languages available)

Learning Outcomes

- Discover business fundamentals: research, accounting, finance, organisational structure, human resources, intellectual property, and marketing
- Learn the terminology and basic tenets of business and finance through case studies and real-world applications

MANAGEMENT IN THE CREATIVE ENVIRONMENT

An introductory course on the four principles of management necessary to any creative workplace: planning, organising, leading and controlling.

Level
Beginner

Provider
SCAD

Undergraduate Credit:
Earn five university credits from SCAD - the Savannah College of Art & Design

Cost:
€2300 per student.

Quick-Facts

- **Age:** Suitable for students ages 16-18
- **Composition:** 1 course
- **Time to complete:** 10 weeks
- **Dates:** Self-paced and lecturer-led schedule
- **Delivery mode:** Online
- **Language of tuition:** Taught in English (other languages available)

Learning Outcomes

- Examine and explore the unique properties of human language
- Explore the prominent role of language in cultural models and social organisations

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