2 実践的な教育
Practical Education

5つの学部
Five Colleges

YNUでは5つの学部において、問題の本質を見極め、時代の変化に対応し得る柔軟性と創造的な課題発見解決能力を身につけ、社会の中核となって活躍する人材の育成するため、実学を重視した教育を行っています。

YNU's five colleges offer practical education to develop future leaders who play central roles in the society. Students engage in practical learning to gain insights into the issues, flexibility to adjust to the changing times, and creative skills in identifying and resolving issues.

教育学部
Education

小学校教員養成所の設置（1874年）以来、教育現場の未来を支えるべく、多角的な視野と洞察力とを兼ね備え、環境の変化に柔軟に対応できる次世代の教員を養成している。附属学校との強固な連携により、学生は1年次から小・中学校に出かけて実践力を磨くことができる。

Founded in 1874 as a training center for primary school teachers, the college has provided student teachers with the knowledge, perspectives, approaches, and professional flexibility needed to meet the needs of future learners. Beginning in their first year, students obtain practical skills by participating in teaching practice programs at YNU-affiliated primary and junior high schools. It is important to note that the college does not accept International students, except for those awarded scholarships from the Japanese Government (Monbukagakusho: MEXT).

経済学部
Economics

横浜高等商業学校（1923年設置）以来の伝統である理論と実務のバランスのとれた教育と、国際貿易港横浜を背景とした国際色豊かな教育を行う。英語による専門科目を取り入れ、グローバル社会で通用する実践的コミュニケーション能力も育むことで、グローバル化の深化に対応でき、経済社会にイノベーションをもたらす人材を育成している。

Originally founded as Yokohama Higher School of Commerce in 1923, the college has been providing a well-balanced mix of theory and practice, as well as a cosmopolitan education in the international trading port of Yokohama. Some specialized subjects are taught in English to cultivate the practical and globally-competitive communication skills of students, so they can adapt to the increasingly globalized world and bring about innovation in the economy and society at large.

経営学部
Business Administration

東日本の国立大学で唯一の経営学部。グローバルな活動・競争の中でビジネスを位置づけることができる「グローバルビジネス即応力」、ビジネスをめぐる課題を全体最適視点で定義し、ソリューションを提案できる「ビジネス統合分析力」、企業経営の観点から学際的な知を統合し、社会の変革を実行できる「イノベーション力」を持った人材を育成する。

This is the only college of business administration at a national university in East Japan. It cultivates talent who can: position their businesses within global dynamics and competition (global competitiveness and industry readiness); identify the challenges facing their businesses with respect to total optimization and propose solutions (integrated analytical skills for business); and combine academic knowledge from a management perspective to bring about social change (innovative capacity).

理工学部
Engineering Science

イノベーションを創出する「未来の創造的人材」育成のため、横浜高等工業学校（1920年設置）より始まった実践的工学教育を深化・発展させ、学生が早期の教育課程で理学・工学両方の素養を身に付けた後に専門教育を受けるカリキュラムを提供している。工学的センスを持った理学系科学者、理学的センスを持った技術者・研究者を育成する。

Since its foundation as Yokohama Higher School of Technology in 1920, the college has been deepening and broadening its trademark practical education to cultivate creative talent who will lead future innovation. The curriculum is designed for students to acquire the basics of both science and engineering before taking specialized courses. The college produces scientists with engineering insights, as well as engineers and researchers with scientific insights.

都市科学部
Urban Sciences

都市科学は、これからの都市はどうあるべきかというテーマに科学的に取り組む学問である。多くの人々が住み、働き、多様な活動が育まれ、様々な現象が起こる都市。人類や地球が直面している多くの問題を解く重要な鍵として、これからの都市のあり方を考え、文理にわたる幅広い視点から都市の未来へ挑戦する人々を育成する。

The college was newly established in April 2017. Urban science explores the desirable future of cities where many people live, work, and engage in other diverse activities. Through scientific observation of various phenomena taking place in the cities, the college fosters leaders of urban policies who can explore the future of cities from broad perspectives both in the liberal arts and the sciences to offer key solutions for the problems faced by humankind and the planet.

学科（コース）
Departments (Specializations)

● 学校教員養成課程
Department of Teacher Education

言語・文化・社会系教育コース／自然・生活系教育コース／芸術・身体・発達支援系教育コース
Language, Culture and Society / Science, Technology and Human Life / Arts, Health & Physical and Supporting Education

● 経済学科
Department of Economics

DSEP-Econ.

LBEEP

● 経営学科
Department of Business Administration

DSEP-Biz.

● 機械・材料・海洋系学科
Department of Mechanical Engineering, Materials Science, and Ocean Engineering

機械工学EP／材料工学EP／海洋空間のシステムデザインEP
Mechanical Engineering / Materials Science and Engineering / System Design for Ocean-Space

● 化学・生命系学科
Department of Chemistry, Chemical Engineering and Life Science

化学EP／化学応用EP／バイオEP
Chemistry / Chemistry Applications / Life Science

● 数物・電子情報系学科
Department of Mathematics, Physics, Electrical Engineering and Computer Science

数理科学EP／物理工学EP／電子情報システムEP／情報工学EP
Mathematical Sciences / Physics and Applied Physics / Electrical and Computer Engineering / Computer Science and Engineering

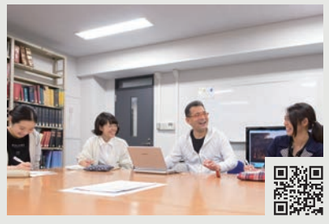
● 都市社会共生学科
Department of Urban and Social Collaboration

YOKOHAMAソクラテスプログラム

● 建築学科
Department of Architecture and Building Science

● 都市基盤学科
Department of Civil Engineering

● 環境リスク共生学科
Department of Risk Management and Environmental Science



学部教育の特色
Features of Undergraduate Education

貿易と商工業で栄えてきた横浜の歴史と伝統に根差した、実学的色彩の濃い学部構成となっています。中規模大学ならではの柔軟性とワンキャンパスの機動力を発揮して、高度で実践的な学術を継承し、世界に通用する人材を育成しています。

The practical learning pursued at YNU's colleges and graduate schools is based on the deep-rooted history and tradition of Yokohama as a thriving city of trade, commerce, and industry. Fully exploiting the flexibility and adaptability of a mid-sized university with a single campus, YNU carries on the advanced and practical scholarship to cultivate globally-competitive talents.

教育学部
Education

教育現場での実践・経験を重視したカリキュラム
Teaching experience at local schools

1年次から教育実践の場に参加し、学校や児童・生徒の実態を理解すると共に、自分の見出した教育の課題に4年間かけてじっくり向き合う。1年次の「教育実地研究」や2年次の「スクールデー実践」などで学校現場での学習を継続し、3年次に小学校・中学校・特別支援学校の「教育実習」が実施される。4年次の「教職実践演習」は、各教育実習と大学内での授業の体系的総括の機会となっている。

From their first year, students engage in educational activities to learn about real-world conditions in elementary and secondary schools. Practical hands-on experience is provided in the first year. This is followed in the second year by practicums that take place at schools in the Yokohama area, and are part of the School Day Experience course as well as other courses. In the third year, students take part in teaching practicums at elementary, secondary, and/or special education schools. The final teaching practicum seminar is held in the fourth year and provides students with the opportunity to think deeply and apply the theoretical and practical knowledge gained in from their education courses and practicums.

高度な実践を見据えた専門教育
Practical education that can be applied in real world situations.

入学後、さまざまな領域の内容に触れながら専門とする領域を選択し、1年次秋学期以降、少人数の環境で専門分野について学び、高度な専門性を身につけます。

Students choose an area of specialization while continuing to study other fields and areas. Classes are limited in size, allowing students to develop high level expertise while receiving feedback from instructors and peers. At the same time, learners have multiple opportunities to work closely with their teachers and classmates.

各コースの専門領域
Areas of specialization for each course

- 言語・文化・社会系教育コース：国語・社会・英語・日本語教育・教育学
  Language, Culture and Society (Japanese as a Native Language, Social Studies, English, Japanese as a Second Language, Educational Research)
- 自然・生活系教育コース：数学・理科・技術・家庭科
  Science,Technology and Human Life (Mathematics, Science, Technology, Home Economics)
- 芸術・身体・発達支援系教育コース：音楽・美術・保健体育・心理学・特別支援教育
  Arts,Health & Physical and Supporting Education (Music, Fine Art, Health and Physical Education, Psychology, Special Needs Education)

社会的・教育的な実践力を育成する「学外活動・学外学習」
Off-campus studies and activities in the local community

大学で学んだ知識を社会の現場で実践していく活動を大学の単位として認定しようという制度。小・中・高等学校の授業や課外活動のサポートや、子どもたちへの講座や交流活動などのボランティア活動を通して、社会的・教育的な実践力を養うのに最適な場となっている。

Students can earn university credits by attending off-campus programs in which they use the knowledge acquired in university classes. In addition, students can participate in volunteer activities in volunteer activities at elementary and secondary schools which help meet the needs of the local community. Examples of these activities include providing classroom assistance for teachers, supporting extracurricular activities, conducting lectures, and participating in exchange activities for children. The program provides students with multiple opportunities to reflect on their studies and research at the university while developing the social and educational skills needed for their future.

経済学部
Economics

少人数・双方向型教育
Small-class, interactive education

1年次の導入教育である基礎演習はクラスを指定し、少人数・双方向型授業を行う。情報処理演習や外国語も少人数で行う。3年次からのゼミナール（指導教員の専門に興味をもつ学生に対して卒業論文指導を中心に指導を行う）は1学年平均7名で構成されている。

In the introductory education, for the basic seminars in the 1st year, students can choose their class, where the seminars are done interactively in small sizes. Information processing seminars and foreign language are also taught in small class format. The seminars from the 3rd year are comprised of 7 students on average (Students interested in their supervisor's specialty are given guidance focused on the graduation thesis).

体系的な学びのプログラム
Programs for systematic learning

1年次から専門教育について体系的に学べるように、専門基礎科目が用意されている。2年次からは専門基幹科目や専門応用科目（初級レベル）で経済学の基礎をバランス良く学んだうえで、3年次以降は中級レベルとして、5つの専門分野（グローバル経済、現代日本経済、金融貿易分析、経済数量分析、法と経済社会）から自分の主分野、副分野を選択し、各学生が自分の将来を見据えて主体的に学び、高い専門性を身につけていく。

The College offers basic specialized courses for students to systematically receive specialized education from their first year. From year two, students study a good balance of the basics of economics in core specialized courses and applied specialized courses (beginner level). The intermediate level starts in year three, at which point students choose a major and minor field from among five specialist fields (global economy, modern Japanese economy, finance and trade analysis, economy quantity analysis, and law and economic society). Students thus consider their own individual future and take the initiative for their own studies, acquiring a high level of expertise.

英語討論会
English symposium

経済学部では、アジア英語討論会、欧州英語討論会、Global Applied Economics Forumという3種類の「英語討論会」を実施している。英語を駆使し、経済を討論することでグローバルな視点を培うため、海外経験を求める学生のために用意されたプログラム。10日から2週間程度で、海外協定校訪問と現地学生との討論会のほか、現地企業や国際機関の視察も行う。

The College of Economics holds three types of English symposiums: the Asia English Dialogue, the Euro-Japan English Dialogue, and the Global Applied Economics Forum. This program is offered for students who wish for experiences abroad by using their English in full to discuss economies, thereby developing their global perspectives. The college usually arranges 10 days to two week-long tour, and participants visit overseas partner universities, have dialogues with local university students, and observe local companies and international organizations.

経営学部
Business Administration

充実した体験型授業
Valuable experience-based classes

経営学分野でのゲーミング・シミュレーションの一つである「ビジネスゲーム」では、コンピュータ上に構築された仮想的マーケットの中で、複数の学生が企業の経営者として商品の生産、仕入れ、販売を行い競い合うことで、経営学関連の諸科目（会計、マーケティング、生産、流通、戦略など）の理解を深め、学習に対するモチベーションを高めることに絶大な効果を発揮している。さらに、「マイプロジェクトランチャー」では、学生自らプロジェクトを作成、プレゼンを行い、プロジェクト実践能力を磨いている。

In the Business Games course, which is one type of gaming simulation in the field of business administration, a number of students compete by producing, purchasing, and selling products as company managers in a simulated market. Students reap the maximum benefit by furthering understanding of business administration-related fields (e.g., accounting, marketing, production, distribution, and strategy) and increased motivation to learn. In the My Project Launcher course, students create their own project, give a presentation, and develop their project implementation skills.

会計CAI（Computer-Aided Instruction）
Accounting CAI (Computer-Aided Instruction)

経営学部で開講している会計関連科目（簿記論、原価会計論、管理会計論等）では、コンピュータを活用したeラーニングシステムとして「会計CAI（Computer-Aided Instruction）」を導入している。横浜国立大学の会計学スタッフが1980年代から開発に着手し、現在では、Web化やコンテンツの充実が図られるようになっている。会計CAIは、学生の理解を促進するために講義に連動した形で導入され、学生の自宅での時間外学修を促すツールとして役立てられている。なお、会計CAIの一つのモジュールである簿記CAIは、簿記教育におけるeラーニングの先駆としての先見性と、教育効果が高く評価され、平成27（2015）年度日本簿記学会学会賞を受賞している。

In accounting-related courses (bookkeeping, cost accounting, management accounting, etc.) offered by the College of Business Administration, the Accounting CAI (Computer-Aided Instruction) is introduced as a computer-based e-learning system. The accounting staff at YNU began the development of this system in the 1980s, and now it is being made available on the Web and its content is being enhanced. The Accounting CAI has been introduced in conjunction with lectures to promote student understanding and is being used as a tool to encourage students to study outside of their own time at home. In addition, one module of the Accounting CAI, the Bookkeeping CAI, received the 2015 (2015) Japan Boki Association Award for its foresight in pioneering e-learning in bookkeeping education and its educational effectiveness.

企業トップなどの実務家や英語による特殊講義
Special lectures held by top-level business professionals or lectures in English

「経営者から学ぶリーダーシップと経営理論」、「アントレプレナーシップ論」といった毎週代表取締役クラスの経営者を迎え、様々な角度から企業経営を学ぶ授業がある。これらの科目を修得した後は比較的長期にわたるインターンシップ等を行い、経営学部キャリア実習の単位とすることができる。経営学の諸領域にわたる特殊講義を提供することで、生きた経営学を学び、学生自身のキャリアビジョンを描けるよう支援している。

In addition to general programs, special classes are held once a week inviting corporate executives to lecture on corporate management from various angles, including subjects such as "leadership and management theory taught by a manager" and "entrepreneurship". After completing these courses, students can participate in a comparatively long-term internship, and thus earn credits as Career Practicum in the College of Business Administration. The college helps students to learn real business management and to develop their own career visions by providing specialized lectures over various fields of business administration.

理工学部
Engineering Science

「名教自然」の精神
Meikyo Shizen spirit

「名教自然」とは、無試験、無採点、無賞罰の「三無主義」に象徴される横浜高等工業学校（理工学部前身）の教育思想。優れた教育・研究は自然を尊ぶ、つまり学問は強制されずに、自らの意思で自発的に、自由に学ぶべきであり、自学自発の教育主義により、優れた人材を育成するという意味。「三無主義」はすでに廃止されているが、今でもYNUの理工学系教育の精神として根付いている。

"Meikyo Shizen" is the educational philosophy of the Yokohama National Professional School of Engineering (the predecessor of the College of Engineering Science) symbolized by its "three no's principle," which means no tests, no scores, and no rewards or punishments. Excellent education and research values nature. In other words, learning is not forced, allowing students to take the initiative to learn without constraint under an educational principle of spontaneous self-learning, thus developing into an excellent professional. Although the three no's principle has been abolished, it continues to form the foundation of science and engineering education at YNU as its underlying spirit.

高い専門性と広い基礎教育
Advanced specialization and broad basic education

学部担当教員が、学科の枠を超え学部基盤科目として授業を提供することで複数の教育プログラム（EP）に参画し、EPの専門性に加えて、広い理工学基礎教育が充実している。

Supervising faculty in the College of Engineering Science participate in multiple Education Programs (EP) by offering courses as a foundation course for undergraduate students that exceed the boundaries of specializations. This both increases the specialization of Education Programs and enables broad education in science and engineering basics.

理工学部の最先端の研究に早期に参加できる「ROUTE・iROUTE」プロジェクト
"ROUTE・iROUTE" projects that let the undergraduate students in the College of Engineering Science participate in cutting-edge research

ROUTE（Research Opportunities for Undergradua TEs）と は、通常4年生から研究室に配属となる中、やる気のある1〜3年生が早い段階から研究室に入り先端研究に取り組むことができる「出る杭を伸ばす」プロジェクト。さらに、iROUTE（「i」はinternationalの頭文字）では、ROUTE参加学生が、指導教員の海外共同研究先に研究留学したり、逆に海外有力大学から本学に教授を招へいし集中講義を受講するなど、国際感覚を養う。第24回工学教育賞（文部科学大臣賞）受賞の注目プロジェクト。

The Research Opportunities for UndergraduaTEs (ROUTE) project that enables participation in cutting-edge research is run for first to third year students in the College of Engineering Science. Students who participate in ROUTE learn the appeal of research from an early stage and it can lead to them actively participating with even greater interest in lectures that tend to be passive. Also, iROUTE (the "i" means "international") is for students who participated in ROUTE from early on and produced research results. It consists of programs to develop an international mentality by letting students experience research at their supervisor's collaborative research facility abroad and programs in which professors from influential universities in other countries are invited to YNU for undergraduate students to experience lectures with the same content as that of the influential university and foster an international mentality.

副専攻プログラム
Minor program

理工学部では、学生が履修する教育プログラム（主専攻プログラム）での学修に加え、広く他分野の科学技術に目を向ける進取的精神の涵養と、新たなる知識の地平を切り拓きつつそこに内蔵される課題を掘り起こす能力を磨くため、ある専門領域の主題に沿って設計された学部内横断的な教育プログラム（理工学部副専攻プログラム）を学ぶことができる。この副専攻プログラムを履修するためには、4年次までに登録を行う必要がある。副専攻プログラムを学ぶ学生は、卒業要件である主専攻プログラムの科目履修（124単位）に加え、副専攻プログラムで指定された科目（標準は24単位）を履修する。指定科目を履修して所定の要件を満たした者には修了証が授与される。

At the College of Engineering Science, in addition to studies in the Education Program the student is taking (Major Program), students can take an Education Program (College of Engineering Science Minor Educational Program) that covers a range of topics taught in the College to match the central themes of a particular field of specialty in order to foster an enterprising spirit in students who also focus on science and technology topics in a wide range of other fields and develop their capacity to open new horizons of knowledge and discover the embedded challenges. To participate in the Minor Program, students must register by their fourth year. Students participating in a Minor Program take courses specified by the Minor Program (standard of 24 credits) in addition to the courses for their Major Program (124 credits) required for graduation. Those who take the specified courses and meet certain requirements are given a certificate of completion.

都市科学部
Urban Sciences

都市科学の基本的な素養・リテラシー・技術を習得する「学部共通科目」
"College-wide Common Courses" to acquire basic knowledge, literacy, and skills in urban science

都市科学の素養やリテラシー・技術を確実に身に付けるため、都市科学部学生全員が1・2年次に学ぶ「学部共通科目」が充実している。学部共通科目は、「都市科学の基礎」および、「グローバル・ローカル」、「リスク共生」、「イノベーション」、「ソーシャルプラクティス」の4つの分野の関連科目で構成されている。

College-wide common courses that teach basic urban science components, literacy, and skills To achieve a firm grasp of urban science, there are thorough college-wide common courses that all students in the College of Urban Sciences take in their first and second year. College-wide common courses are composed of related courses in the Basics of Urban Sciences and in the four fields of Global/Local, Risk Symbiosis, Innovation, and Social Practice.

分野横断、文理融合の教育プログラム
Multidisciplinary Education Programs that merge the humanities and sciences

分野横断、文理融合の学びを実質化するために、様々な仕組みを設けている。学部共通科目の「都市科学A・B・C」では文系・理系の複数の教員がオムニバス形式で講義を進め、その学びを基礎とし、「都市科学S」で、複眼的な分析力と発信力、文理融合の視点を獲得していく。また、所属と異なる学科が開講している科目を専門科目として修得できる。さらに、卒業研究においては、複数の分野の教員による指導を受けることができる。

Various systems have been established at YNU to achieve multidisciplinary learning that merges the humanities and the sciences. For Urban Science A, B, C in the college-wide common courses and Basics of Urban Sciences (compulsory), multiple faculty members in the humanities and sciences hold omnibus-style lessons. Building on that learning, Urban Science S enables students to acquire multifaceted analytical skills, communication abilities, and an integrated humanities-and-sciences perspective. Also, students can take courses provided by other colleges as their specialized courses. For the graduation research project, students can also receive guidance from faculty in more than one field.

横浜・神奈川地域をフィールドとして実践力を養う
Fostering practical skills in Yokohama and the Kanagawa region

多様な都市の課題を抱える最先進の国際都市「横浜・神奈川地域」の歴史や文化、都市づくりなどについて幅広く学ぶことができる都市科学部開講科目の「地域連携と都市再生A（ヨコハマ地域学）」、経済学部開講科目の「地域連携と都市再生B（かながわ地域学）」を履修することができるほか、各学科の演習科目、卒業研究でも、横浜・神奈川地域を積極的にフィールドとして取り組み、地域に関する情報やデータと実際の地域のフィールドワークと組み合わせて学ぶことで実践力を養う。

Students can take the Regional Cooperation and Urban Regeneration A (Yokohama Regional Studies) course held by the College of Urban Sciences and the Regional Cooperation and Urban Regeneration B (Kanagawa Regional Studies) course held by the College of Economics that teach a broad range of topics such as the history, culture, and urban development of Yokohama as a leading international city with various urban challenges and the Kanagawa region. In addition, Yokohama and the Kanagawa region are also actively utilized as the field for seminar courses for each college and graduation research, and students develop their practical skills by combining information and data related to the region with actual field work there.

YOKOHAMAソクラテスプログラム
YOKOHAMA Socrates Program

Social ResilienceとSocial Sustainabilityの2つのテーマに関わる人文社会科学のさまざまな論点や分析の方法を学ぶグローバル教育プログラム。英語と日本語を共通言語として学士号を取得できる。各科目は少人数教育で行われ、演習では対話を重視する、いわゆるソクラテスメソッドを使いながら進められる。卒業研究ではCo-supervisor制度をとり、現代の諸課題に対して適切な方法論を使いながら自分の頭で深く考えて結論を導き出すことを目指す。

This program is centered around the issues and methodologies in the humanities and social sciences related to the twin themes of social resilience and social sustainability. It is a bilingual global education program enabling students to obtain a bachelor's degree with English and Japanese as common languages. Students will participate in small classes, including seminars conducted through the dialogue-based Socratic method. Graduation theses will be co-supervised by two faculty members who will advise students with the aim of enabling them to utilize appropriate methodology for thinking deeply with their own minds about issues of our times in completing their works.