Nanyang Technological University
Singapore

About:

Nanyang Technological University (NTU) is a research-intensive university with globally acknowledged strengths in science and engineering. NTU has four colleges with 12 schools, and four autonomous entities, the National Institute of Education, the S. Rajaratnam School of International Studies, Earth Observatory of Singapore and the Singapore Centre on Environmental Life Sciences Engineering.

Quick Facts:

- Established in 1955
- NTU is in the top 100 of the world’s universities, according to the QS World University Rankings 2010 placing it in the top 1% of universities globally.
- 33,000 undergraduate and postgraduate students.
- 3,300 faculty and staff
- Student and faculty body represent over 90 countries
- NTU is one of the two largest public universities in Singapore with the largest campus in the country.
- Houses the world’s largest engineering college.

Colleges and Schools:

- College of Business
  - Nanyang Business School
- College of Engineering
  - School of Chemical and Biomedical Engineering
  - School of Civil and Environmental Engineering
  - School of Computer Engineering
  - School of Electrical and Electronic Engineering
  - School of Materials Science and Engineering
  - School of Mechanical and Aerospace Engineering
- College of Humanities, Arts and Social Sciences
  - School of Art, Design and Media
  - School of Humanities and Social Sciences
  - Wee Kim Wee School of Communication and Information
- College of Science
  - School of Biological Sciences
  - School of Physical and Mathematical Sciences

Estimated Costs:

- Accommodation= $155 - $280 per person per month (without meal plan).
- Food/Meals= $300 - $400 per month
- Travel Expenses= $100 per month
- Academic Expenses= $200-$500 per academic year
- Personal Expenses= $200-$400 per month

For more information visit:
http://www.ntu.edu.sg/Pages/default.asp
Course Offerings

- **Accountancy**
  - Accounting I
  - Accounting II
  - Accounting Recognition and Measurement
  - Accounting for Decision Making and Control
  - Principles of Taxation
  - Risk Management, Control and Ethics
  - Business Valuation and Analysis
  - Assurance and Auditing
  - Risk Reporting and Analysis
  - Communication Management Fundamentals
  - Statistical and Quantitative Methods
  - Information Technology
  - Organizational Behavior and Design
  - Research Methods
  - Communication Management Strategies
  - Strategic Management
  - Company Law
  - Developing Business Information System

- **Aerospace Engineering**
  - Introduction to Aerospace Engineering I

- **Bioengineering**
  - Tissue Engineering and Gene Therapy
  - Biomedical Nanotechnology

- **Biomedical Engineering**
  - TCM Diagnostics
  - Synopsis of the Golden Chamber
  - Chinese Materia Medica
  - Treatise on Exogenous Febrile Diseases

- **Biological Sciences**
  - Introductory Biology
  - Plant Biology
  - Genes R Us
  - Traditional Chinese Medicine

- **Business**
  - Actuarial Computing
  - Statistical Modeling
  - Mathematics of Finance
  - Principles of Risk and Insurance
  - Life Contingencies and Demography
  - System Analysis and Design
  - Project and Vendor Management
  - Data Management and Business Intelligence
  - Decision Tools for Managers
  - Business Operations and Process
  - Management of Financial Institutions
  - Investments
  - Equity Securities
  - Derivative Securities
  - Advanced Corporate Finance
  - Financial Modeling
  - Compensation and Benefits
  - Strategic HR and Consulting
  - Learning and Performance Development
  - Negotiation and Dispute Resolution
  - Law of Commercial Transactions
  - Advanced Company Law
  - Strategic Brand Management
  - International Business Environment
  - Consumer Behavior
  - Services Marketing
  - Global Market Strategy
  - Tourism and Hospitality Marketing
  - Accounting: A User Perspective
  - Business Finance
  - Fundamentals of Business Law
  - Practical Ethics: Thinking About Right and Wrong
  - Management Decision Tools
  - Marketing for the 21st Century
  - Social Marketing: Making the World a Better Place
  - Fundamentals of Management
  - Cultural Intelligence: How to be an Explorer of the World
  - Leadership in the 21st Century
  - International Financial Management
  - Principles of Risk and Insurance
  - Insurer Operations and Financial Analysis
  - Enterprise Risk Management
  - Strategic Brand Management
  - International Business Environment
  - Consumer Behavior
  - Services Marketing
  - Global Market Strategy
  - Tourism and Hospitality Marketing
  - Accounting: A User Perspective
  - Business Finance
  - Fundamentals of Business Law
  - Practical Ethics: Thinking About Right and Wrong
  - Management Decision Tools
  - Marketing for the 21st Century
  - Social Marketing: Making the World a Better Place
  - Fundamentals of Management
  - Cultural Intelligence: How to be an Explorer of the World
  - Leadership in the 21st Century
  - International Financial Management
  - Principles of Risk and Insurance
  - Insurer Operations and Financial Analysis
  - Enterprise Risk Management

- **Chemical and Biomolecular Engineering**
  - Formulation of Active Pharmaceutical Ingredients Dosage Form
  - Petroleum Refining
  - Surface Science in Catalyst and Nanotechnology
  - Catalyst and Nano-Support Materials
  - Advanced Reaction Engineering
  - Bioanalytical Techniques

- **Computer Engineering**
  - Discrete Mathematics
  - Introduction to Computing Systems
  - Introduction to Computational Thinking
- Great Ideas in Computing
- Digital Logic
- How Computers Work
- Applying It
- Electronic Principles
- Introduction to Programming
- Mathematics I
- Logic Design
- Data Structures and Object-Oriented Programming
- Mathematics II
- Digital Circuits and Systems
- Microprocessor Programming
- Software Systems and Models
- Discrete Mathematics and Algorithms
- Operating Systems
- Microcontroller Systems Design
- Software Engineering
- Instrumentation and Data Acquisition
- Digital Communications
- Computer Networks
- Database Systems
- Advanced Algorithms
- Advanced Computer Networks
- Advanced Microprocessor Systems
- Artificial Intelligence
- Computer Architecture
- Computer Graphics and Applications
- Cryptography and Network Security
- Introductory Bioinformatics
- Neural Networks
- Parallel Processing
- Principles of Information Theory and Coding
- Programming Languages
- Real-Time Systems
- Visualization

- Civil Engineering
  - Air Quality Management
  - Energy Resources Management
  - Environmental Health and Safety Management

- Chinese
  - Introduction to the Study of Literature and Culture
  - Introduction to the Chinese Language
  - Modern Chinese
  - Tang Poetry
  - Chinese Folk Literature
  - Critical Approaches to Chinese Literature and Culture
  - Confucian Thought

- Division and Integration: From Chunqiu TO Wudai
- Contemporary Chinese Politics and Society
- Language and Society
- Varieties of Chinese
- Chinese Education in Southeast Asia
- Classical Chinese Drama
- Cultural Studies of Chinese Cinemas
- Chinese Buddhism and Daoism
- Conquering and Conquered Dynasties
- War and Memory in Modern China
- Sound and Prosody in Chinese
- Chinese Literature in Europe and America
- Transcultural Singapore Theatre
- Classical Chinese Literary Theory

- Communication Studies
  - Newspaper Practicum
  - Television Practicum
  - Radio Practicum
  - Film Festival Practicum
  - Newsletter Practicum
  - Visual Literacy and Communication
  - Communication History and Theories
  - News Reporting and Writing
  - Publication Design
  - Web Design and Technologies
  - Image and Sound Production
  - Production Management for TV and Cinema
  - Creative Strategies
  - Graphic Communication
  - Cultural Studies
  - Cinema Studies
  - Organizational Communication
  - Integrated Marketing Communication
  - Audio Radio Production
  - News Copy Editing
  - Specialized Journalism: Public Affairs
  - Specialized Journalism: Business and Economics
  - Advanced Photojournalism
  - Writing for Cinema and TV
  - Creative Practices and New Technologies
  - Documentary Film and TV
  - Narrative Film and TV
  - Public Relations Writing
  - Advertising Creativity and Copywriting
  - Media Planning and Strategies
  - Communication Campaigns
  - Corporate Communications Management
  - Brand Management
  - Statistics and Data Analysis
• Computer Science
  • Introduction to Computer Systems
  • Introduction to Programming
  • Foundations of Programming
  • Logic Design
  • Data Structures and Object-Oriented Programming
  • Discrete Mathematics
  • Human Resource Management and Entrepreneurship
  • Microprocessor Programming
  • Algorithms
  • Software Systems and Models
  • Computer Graphics and Applications
  • Operating Systems
  • Database Systems
  • Software Engineering I
  • Programming Languages
  • Net Centric Computing
  • Software Engineering II
  • AI and Intelligent Systems
  • Advanced Algorithms
  • Advanced Computer Networks
  • Computer Architecture
  • Cryptography and Network Security
  • Introductory Bioinformatics
  • Natural Language Processing
  • Neural Networks
  • Parallel Processing
  • Visualization
  • Introduction to Computational Thinking
  • Great Ideas in Computing
  • Digital Logic

• Economics
  • Introduction to Statistical Theory and Methods
  • Principles of Economics
  • Applied Econometrics
  • Introductory Econometrics
  • Advanced Econometrics
  • Intermediate Microeconomics
  • Intermediate Macroeconomics
  • Advanced International Finance
  • Advanced Development Economics
  • Development Economics
  • Mathematical Economics
  • Health Economics
  • Environmental Economics
  • Energy Economics
  • Political Economy of East Asia
  • Applied Econometrics
  • Intermediate Econometrics
  • Advanced Microeconomics
  • Advanced International Finance
  • Econometric Time Series Analysis
  • Principles of Economics
  • Economic Theory

• Electrical and Electronic Engineering
  • Introduction to Computer Systems
  • Cyber Security
  • Astronomy: Stars, Galaxies and Cosmology
  • Internet Fundamentals
  • E-Commerce Technology
  • Wireless Networks

• English
  • Introduction to the Study of Literature
  • Survey of English Literature I
  • Medieval Literature
  • Renaissance Literature
  • Introduction to American Literature I
  • Contemporary Literature and Culture
  • Southeast Asian Literature and Culture
  • Representations of Asia: Film and Fiction
  • British-Asian Literature
  • Urban Culture Asia
  • Literature and Madness
  • Directed Study
  • Creative Writing Workshop
  • South Asian Literature
  • 19th Century American Literature and Culture
  • Post 1945 American Literature and Culture
  • Reading Films: Film Theory
  • Modern Drama
  • Comparative Literature
• European Literature
  • Science Fiction: Origins to Parody
  • The Rise of the Novel
  • Literature and the Arts
  • Feminist Studies
  • Advanced Film in Restoration and 18th Century Literature
  • Advanced Studies in Victorian Literature
  • Advanced Studies in 19th Century American Literature

• Humanities and Social Sciences
  • Introduction to Public Administration
  • Introduction to Public Policy
  • Government and Politics of Singapore
  • Singapore's Foreign Policy
  • The Rise in China
  • What is History?
  • The Emergence of Modern Southeast Asia
  • Gender in History
  • Translation: History, Theories and Principles
  • Language Foundation for Translation
  • Translation: Techniques and Practices
  • Linguistics, Culture and Translation
  • Translation: Appreciation, Criticism and Evaluation
  • Moral Philosophy
  • Philosophy of Science
  • Introduction to Creative Writing
  • Creative Writing: Poetry
  • Creative Writing: Fiction
  • Arabic: Level I
  • Chinese: Level I
  • Chinese: Level II
  • French: Level I
  • French: Level II
  • French: Level III
  • French: Level IV
  • German: Level I
  • German: Level II
  • Japanese: Level I
  • Japanese: Level II
  • Japanese: Level III
  • Japanese: Level IV
  • Japanese: Level V
  • Japanese: Level VI
  • Korean: Level I
  • Korean: Level II
  • Korean: Level III
  • Malay: Level I
  • Spanish: Level I
  • Spanish: Level II
  • Thai: Level I
  • Vietnamese: Level I

• Linguistics and Multilingual Studies
  • Phonological Theory
  • Fundamentals of Linguistics: Mind and Meaning
  • Fundamentals of Linguistics: Structure and System
  • Morphology and Syntax
  • Bilingualism and Multilingualism
  • Semantics and Pragmatics
  • Second Language Acquisition
  • Sociolinguistics of a Region
  • Globalization and World Englishes
  • Structure of Modern English
  • Language and the Brain
  • Language Planning and Policy
  • Language Change
  • Discourse and Conversation
  • Theories of Grammar
  • Grammar Engineering

• Materials Engineering
  • Microelectronics Packaging
  • Principles of Semiconductor Devices
  • Polymer Technology
  • Composite Materials Science
  • Advanced Analysis of Materials
  • The Film
  • Introduction to Nanotechnology
  • Economics of Manufacturing

• Mechanical Engineering
  • Nuclear Energy
  • Introduction to Energy
  • Experimental Methods for Engineers
  • Concurrent Design and Engineering
  • Biomechanics
  • Human Factors in Design
  • Strategic Management of Product Development
  • Manufacturing Systems and Automation
  • Operations Research
  • Engineering Logistics

• Maritime Studies
  • Introduction to Maritime Industry

• National Institute of Education
  • Life Drawing
  • Musical Practices I (Baroque and Classical)
• Musical Practices III (Romantic and 20th Century)
• Foundations In Musical Studies I
• Orchestration and Arranging
• Improvisation
• Percussion
• Studies in Japanese Music
• Classical Guitar I
• Choir I
• Band I
• Studies in Indonesian Gamelan II
• Studies in Chinese Music
• Studies in Malay Music
• Choir III
• Music and Acoustics
• Band III
• Shakuhachi Ensemble
• Voice Studies and Production
• Critical Perspectives on Education
• Education Psychology
• Critical Reasoning Skills for Effective Teaching
• Basic Counseling Skills for Teachers
• Motivating Pupils to Learn
• Introduction to Performance and Theatre Skills
• 20th Century Theatre: Theory and Practice
• Acting Workshop
• Drama and Alternative Media

• Psychology
  • Introduction to Psychology
  • Fundamentals of Social Science Research
  • Biological Psychology
  • Personality and Individual Differences
  • Applied Statistical Methods for Psychological Research
  • Evolutionary Psychology
  • ISS and Concerns in Adolescence
  • Negotiation and Conflict Resolution
  • Introduction to Clinical Neuropsychology
  • Engineering Psychology

• Sociology
  • Person and Society
  • Singapore Society in Transition
  • Social Problems in a Global Context
  • Classical Social Theory
  • Organizations and Organizational Change
  • Social Class and Inequality
  • Ethnicity and Ethnic Relations
  • Education and Society
  • Social Psychology
  • Social Demography
  • Environmental Sociology
  • Contemporary Social Theory
  • Understanding Social Statistics
  • Development and Social Change
  • Sociology and Gender
  • Sexuality and Society

• Sports Science and Medicine
  • Structural and Functional Anatomy
  • Exercise and Sports Psychology I
  • Motor Learning and Control I
  • Sport Biomechanics I
  • Coaching and Learning I
  • Conditioning for Physical Fitness
  • Principles of Strength Training
  • Badminton
  • Tennis
  • Squash
  • Volleyball
  • Soccer
  • Hockey
  • Introduction to Line and Social Dance