The 1+2+1 China Undergraduate Degree Plan

The University of North Texas

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<th>Undergraduate Programs</th>
<th>Education Target</th>
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<td><strong>Scholarships</strong></td>
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<tr>
<td>If GPA reaches 3.25 or higher after one whole semester study of the UNT undergraduate programs, students are eligible to apply for the UNT academic scholarship which offers in-state tuition plus $1000. In total it saves near $12000 in tuition. 14 students in the program received the scholarship.</td>
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<tr>
<td>The Tuition Assistance Award (TAA) $1000 is available to all newly-admitted students to BS in information science or MS in library science or information science.</td>
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<tr>
<th>College of Business</th>
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<tr>
<td>AACSB accredited</td>
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<tr>
<th>The Bachelor of Business Administration Degrees</th>
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<tr>
<td>• Business Economics</td>
<td>The Bachelor of Business Administration with a major in Economics is intended for students who want to study the forces that make business work. Students in this major learn about economic theories and models as well as studying all aspects of business. They find careers in a variety of fields, including as government analysts, insurance professionals and bank managers.</td>
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<tr>
<td>• Decision Sciences</td>
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<tr>
<td>• Finance</td>
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<tr>
<td>• Operations and Supply Chain Management</td>
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| The Bachelor of Business Administration with a major in Decision Science provides a common body of knowledge in business plus specialization training in business computing. Students may go on to careers in production planning and control, quality control, scheduling and analysis. |

| The Bachelor of Business Administration with a major in Finance is intended for the student with quantitative skills. Students will study investments, financial markets, |

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accounting and financial analysts. They may go on to professional careers in banking, investment management, and corporate finance.

Students choosing a **Bachelor of Business Administration in Operations & Supply Chain Management** study a wide variety of topics dealing with those activities necessary to design the production process for creating an organization's output, to coordinate the resources required for the creation process, and to control resources utilized in the creation such that the product and/or service conforms to customers' expectations. They will study product and process design, productivity, project planning, quality management and manufacturing strategy. Students are prepared for entry level positions that can ultimately lead to management positions in manufacturing, operations management, purchasing and quality management.

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<tr>
<th>College of Arts and Sciences</th>
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<tr>
<td><strong>The Bachelor of Science and the Bachelor of Arts</strong></td>
<td><strong>The Bachelor of Arts degree in English</strong> prepares students for any job that requires strong writing, communication and analytical thinking skills. Graduates choose careers in a variety of fields, including law, writing, publishing, education, advertising, journalism or public relations. Many alumni teach English composition, British or American literature, or English as a second language in public and private schools. While pursuing a degree in English, a student can choose from concentrations in literature, writing and rhetoric, or creative writing. The well-published and award-winning faculty members in the English Department have published books with the Cambridge, Oxford and Michigan presses. Dr. David Holdeman’s the Cambridge Introduction to W. B. Yeats was reprinted in China. The Writing Lab offers free tutoring and workshops for undergraduate students</td>
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<tr>
<td>English</td>
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|  | **The Bachelor of Arts degree in Political Science** prepares students for careers in government service, politics and private industry in the United States and abroad. The Department offers students the opportunity to |
|  |  |
| Political Science | specialize in American Politics, Comparative Politics, International Relations, and Political Theory. The department also has strengths in areas that bridge traditional subfield boundaries, such as Peace and Conflict, Political Institutions, and Race and Ethnic Politics. The courses provide a deep understanding of relevant issues in local, national and international governments. Graduates can choose different kinds of jobs including lobbyists, lawyers, or managers in private business using the analytical and problem-solving skills they learn in the program. The department houses the [Castleberry Peace Institute](#), home to our Peace Studies program, and the [Human Security, Democracy, and Global Development Research Cluster](#) which addresses the questions of how to forge secure, decent democracies in the face of war, ethnic and religious conflict, corruption, and low levels of development. Finally, we currently are the editorial home to the [American Political Science Review](#), the world’s premier journal of political science. |
| Chemistry | The **Bachelor of Science (BS) in Chemistry degree is certified by the American Chemical Society**, and is designed primarily for students planning to pursue advanced graduate studies or to seek immediate employment in a private or government chemical laboratory. UNT also offers the **BS in Chemistry with Forensics Science Certificate**, which combines the BS chemistry degree and Biology minor coursework requirements, plus additional formal classroom instruction in forensic chemistry, forensic microscopy and molecular biology, biomedical criminalistics and criminal investigation.

The **Bachelor of Arts with a major in Chemistry** is available for students who desire a technical degree in chemistry with a more liberal arts orientation. Students can select from three coursework options:

- students planning to attend graduate school;
- students planning a career in chemical industry; or
- students who are pre-professional Allied Health major

| Geography | Geography majors at the University of North Texas learn to solve complex environmental problems associated with population growth, urban sprawl, climate change, natural disasters and public health.

We offer a hands-on approach to completing necessary course work. This approach allows you to immediately apply classroom learning to ongoing research projects and field work conducted in the Department of Geography.

Students can choose either a **Bachelor Arts or a Bachelor of Science degree with a major in Geography** and select concentrations in earth science, regional science or archeology (Bachelor of Science students only.) Course work focuses on:

- Earth systems and the environment
- Geographic information systems, remote sensing and cartography
- Urban, economic, health and social processes.
| International Studies | Geography faculty members are renowned scientists and scholars who work in Texas and surrounding areas and also conduct research in Asia, Africa and Latin America. The International Studies major at the University of North Texas is designed to prepare students for jobs in the public and private sectors where globalization is increasing dramatically. These jobs are concentrated in, but not limited to, government, security, development, business, non-profit organizations, regional studies, human rights, and global environmental and population issues. Our **Bachelor of Arts degree with a major in International Studies** provides you a deep understanding of world diversity offering concentrations in:

- Africa and the Middle East
- International business and economics
- International development and humanitarian affairs;
- International security and diplomacy;
- Peace studies
- Regional studies.

Courses for the major come from many disciplines including: Anthropology; Applied economics; Business administration; Criminal justice; Economics; Emergency management; Geography; History; Management; Marketing; Philosophy; Political science; Public administration; and Sociology. |

| Mathematics | The department offers undergraduate programs of study leading to a **Bachelor of Arts with a major in Mathematics** and a **Bachelor of Science in Mathematics**. It also offers undergraduate academic certificates in the Mathematics of Scientific Computation, Statistics and Actuarial Science, the latter in cooperation with the College of Business and the Department of Economics. Its faculty is dedicated to excellence in scholarship and teaching.

The faculty supports a strong program of instruction and research, having as its core a solid foundation of mathematical theory that furnishes the tools necessary to address and solve crucial problems in maintaining, improving and protecting the world. The program also promulgates mathematics as a discipline in its own right, a body of pure knowledge with exceptional power, enabling its practitioners and those who diligently study it to be adaptable and effective forces in the workplace. |
<table>
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<tr>
<th>Students who earn degrees in mathematics readily obtain jobs with high-technology companies and in business, industry, government and teaching. Salaries and working conditions compare with those of engineers and scientists.</th>
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<tbody>
<tr>
<td><strong>Physics</strong></td>
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<tr>
<td>Majoring in physics at the University of North Texas can prepare you for a career with aerospace and automobile manufacturers, computer software companies, electrical equipment manufacturers, engineering services firms, and independent research and development laboratories. The armed forces, the departments of Defense and Commerce, national laboratories and NASA employ physics graduates in research careers.</td>
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<tr>
<td>As physics major, you will have opportunities to work with a faculty member and graduate students on a project. You will gain research experience and may receive academic credit.</td>
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<tr>
<td>The <strong>Bachelor of Science in Physics</strong> prepares a student to begin a research career by providing the basis (a solid core of upper-level coursework with research hours) for more advanced study in a graduate program.</td>
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<tr>
<td>The <strong>Bachelor of Arts with a major in Physics</strong> provides the same introductory physics coursework as the BSP degree, but has more flexibility in its upper level physics requirements for student's wanting to obtain a 2nd degree or concentration. Good plan for liberal arts/science minded students or the student planning on teaching high school.</td>
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<tr>
<td><strong>Psychology</strong></td>
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<tr>
<td>A <strong>Bachelor of Arts degree or Bachelor of Science degree in Psychology</strong> from the University of North Texas prepares you for study in a graduate program to become a practicing psychologist or for an entry-level position in: Community mental health facilities; Consumer advertising; Market research analysis; Personnel management; Public relations for large corporations. Our program is nationally accredited through the American Psychological Association.</td>
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<td>Some of our alumni with graduate degrees work: As researchers studying psychological conditions associated with health and illness; As school psychologists, industrial or organizational psychologists for large corporations, or experimental psychologists; In behavioral medicine helping people improve their health; In clinics, hospitals, community mental health agencies, universities or private practices.</td>
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</table>
As a Psychology major, you gain a scientific basis of psychological knowledge and learn the many ways that knowledge is applied to everyday life. The rigorous curriculum examines:

- The history of psychology, studying the behavior of certain groups while learning the basic experimental procedures and techniques for interacting with patients or clients
- Human relationships
- Learning and memory
- Mental illness
- People’s adjustment to different environments
- Personality development

**Sociology**

A *Bachelor of Arts degree with a major in Sociology* from the University of North Texas can prepare you for graduate school or numerous careers in human services and corporations or for an entry-level research job as an interviewer or statistician. Graduates also work in related careers such as advertising agencies, manufacturing corporations, consulting firms, government agencies, corporations, nonprofit organizations, hospitals, religious and youth organizations, and universities.

Our program provides you a well-rounded and comprehensive understanding of social theory and research methods. This is accomplished through a combination of required and elective courses taught by recognized scholars in their field. Faculty research interest include:

- Demography
- Economic sociology
- Environmental sociology
- Medical sociology
- Sociology of development
- Sociology of disasters
- Sociology of the family
- Sustainable societies

We provide opportunities for you to apply classroom learning to real-world situations through a capstone course, internships and other research-related projects.
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<tr>
<th>The Bachelor of Science Degree</th>
<th>The Bachelor of Science with a major in Hospitality Management offers the curriculum providing:</th>
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<tbody>
<tr>
<td>• Hospitality Management</td>
<td>• A strong emphasis on managing the everyday functions of a hospitality business</td>
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<tr>
<td>• Digital Retailing</td>
<td>• Unique, hands-on hospitality management learning laboratories</td>
</tr>
<tr>
<td>• Merchandising</td>
<td>• Practice in learning how to run a profitable hospitality business that provides the best customer experiences</td>
</tr>
<tr>
<td></td>
<td>• Excellent internship and job placement opportunities in the Dallas-Fort Worth region and beyond</td>
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Students will have an opportunity to “learn by doing” by working at The Club at Gateway Center, the state-of-the-art, public student-operated restaurant. Students will also gain insight into the industry through field trips, attending special industry guest lectures, and meeting high-level executives at our Executive-in-Residence Lecture Series.

In addition, the College hosts an annual Career Expo specifically for Hospitality and Tourism Management students that will help students meet hiring representatives from well-known hospitality companies.

As a Hospitality Management major, students will complete hospitality business courses in:

• Accounting
• Finance
• Human resources
• Information technology
• Law
• Management
• Marketing
• Strategic management

Students will also complete an internship as well as hospitality operations classes that focus on the inner workings of the industry.

The Bachelor of Science with a major in Digital Retailing is unique among U.S. universities, offering an
interdisciplinary degree that focuses on the retail process through the digital channel. By 2016, half of all retail sales will be influenced by researching or buying online. The proliferation of digital devices and the rapid adaption by consumers can open additional career opportunities. The student will develop skills in merchandising processes, marketing, consumer segments, design architecture, analytical skills, and web design.

In addition, the Global Digital Retailing Research Center allows students to join research teams, seek support for their own research projects, enter intercollegiate competitions and participate in center-sponsored events that bring digital retailing companies and executives to campus.

The Bachelor of Science with a major in Merchandising encompasses the planning, development, presentation and sales of clothing and home furnishings in consumer-driven markets. Students in the program are taught to critically analyze merchandising strategies relating to the development, distribution, evaluation and use of fashion-oriented products. The curriculum is developed in consultation with retail industry leaders to meet the needs of the profession. Students complete coursework in consumer studies, textiles, fashion theory, trend analysis, brand development, promotion, global sourcing, and merchandising math.

College of Engineering
ABET accredited

The Bachelor of Science Degrees

- Computer Science
- Computer Engineering

We provide course work leading to a Bachelor of Science degree in Computer Science, a Bachelor of Science degree in Computer Engineering. You will learn from faculty members who have expertise in:

- Computer networks and security — wired and wireless networks, sensor networks, cryptography and security
- Computer systems — architectures, compiler, energy efficient and low power circuits and systems, software testing, very-large-scale integration and computer-aided design
- Intelligent systems-computational life science, data mining, natural language
| Mechanical and Energy Engineering | Are you a creative, inquisitive, analytical and detail-oriented person? Are you fascinated by how machines work? Interested in the many facets of alternative energy? Then mechanical and energy engineering could be the major for you at the University of North Texas. With a Bachelor of Science degree in Mechanical and Energy Engineering, your skills will be in particular demand with companies that focus on:

- advanced materials design
- manufacturing and product design
- energy management and conservation
- baseline energy (oil, gas and nuclear) production and distribution
- nanotechnology
- renewable energy
- Heating, ventilation and air-conditioning and building energy efficiency

The department supports top-ranked research laboratories that offer abundant possibilities for study and research. Working closely with faculty, you may investigate new technologies for:

- Advanced structural materials
- Fire-resistant and low permeability polymer nanocomposites
- Biomaterials and biomedical technology
- Chemical and biological sensors
- Conventional and alternative energy sources
- Optoelectronics and nanotechnology
- Resiliency and sustainability |
| Electrical Engineering | UNT offers the Bachelor of Science with a major in Electrical Engineering. Be part of an innovative, project-oriented curriculum that has been rated as one of National Science Foundations’ ‘nugget’ programs in the nation. You can take courses in these interesting areas:
  - advanced analog design
  - VLSI
  - RF
  - DSP
  - Sensor networks
  - Speech processing
  and many more

  The department offers outstanding research laboratories that offer opportunities for undergraduate and graduate research. Working closely with faculty, you may investigate new technologies for:
  - VLSI design
  - RF circuits
  - Sensor networks
  - Chemical and biological sensors
  - Optoelectronics
  - Environmental monitoring |

| Materials Science and Engineering | Biomedical materials, metals, polymers, glasses, and electronics: all are being tested and improved every day by materials engineers and scientists solving vital problems and advancing technology. Where will you make your contribution?

  The University of North Texas’ **Department of Materials Science and Engineering** offers course work leading a **BS, MS, PhD**, as well as a minor for students pursuing other degrees. The program provides strong collaborative links with other universities and industries in the Dallas-Fort Worth region and research organizations throughout the world.

  The department, ranked among top 50 in the nation, supports state of the art research laboratories that provide opportunities for cutting edge research in:
  - Materials characterization and development
  - Atomic scale engineering |
| Engineering Technology | Are you a hands on person? Do you enjoy working in the laboratory, designing, testing and implementing prototypes? Here is your chance to get a degree in engineering technology with a career in engineering!

The University of North Texas’ Department of Engineering Technology offers course work leading to a BS and MS degrees in the following areas:

- Mechanical Engineering Technology
- Electrical Engineering Technology
- Construction Engineering Technology

The department has an outstanding manufacturing laboratory, in addition to laboratories for electronics, mechanical design and cold formed steel testing (construction). The labs contain state of the art hardware and software such as:

- Altera VLSI - electronics
- LabVIEW software
- AUTOCAD, ProE, design software
- MATLAB software
- CNC machines
- Welding stations
- Freescale microprocessors

| Biomedical Engineering | The College of Engineering at UNT offers a unique undergraduate program in Biomedical Engineering that allows a student of the program to major in Biomedical Engineering, minor in

- Biomaterials and biomedical technology
- Modeling techniques
- Conventional and alternative energy sources
- Optoelectronics and nanotechnology
- Biomimetics
- Polymers
mathematics and in an additional area of engineering. Thus, a student graduating from the 120 SCH program will be well rounded and have the engineering skills and expertise to work in industry, hospitals, research institutions or become a motivated entrepreneur.

Areas of interest includes bioinformatics, biomedical instrumentation and biomechanics. All Biomedical Students will automatically be awarded a minor in mathematics upon completion of their degree. Additional engineering minors may be pursued through selecting electives from the following disciplines.

- Mechanical Engineering
- Mechanical Engineering Technology
- Electrical Engineering
- Electrical Engineering Technology

**College of Public Affairs & Community Service**

**The Bachelor of Science**

**Criminal Justice**

UNT offers a **Bachelor of Science with a major in Criminal Justice** (BSCJ). The Criminal Justice field encompasses the agencies of social control including police, courts, corrections and private agencies. Our curriculum provides education in the theoretical, practical and empirical aspects of criminal justice in preparation for criminal justice careers or graduate studies. The BSCJ degree includes a core of 11 courses that provides students with a broad-based understanding of the field including the areas of public policy, criminal law and procedure, criminological theory, ethical and diversity issues, police and correctional systems, and research methods. Students also take 5 elective courses which affords students the opportunity to tailor their degree to suit their career goals and interests in areas such as alcohol and drug abuse, community corrections, corporate security, juvenile justice, offender behavior, and organized crime. Some courses incorporate experiential activities in jails, prisons, or courtrooms, utilize our staged crime scene area, or integrate service learning activities.
Our faculty members have extensive relationships with area criminal justice agencies and include nationally recognized experts in policing, juvenile justice, corrections, criminological theory, victims’ issues, offender behavior, research methodology, and criminalistics. Their books and articles are used in classrooms across the nation, and some have been cited as landmark research efforts.

**The Bachelor of Arts**

**Anthropology**

Anthropology majors at UNT receive a broad range of training in theory and methodology: ethnography, in-depth interviewing, survey research and quantitative analysis. Courses require intensive writing, and all students are encouraged to become proficient in a second language. Students are encouraged to travel abroad and often get hands-on experience while working in UNT's international field schools. As an anthropology major, you may help uncover a buried archaeological site in Texas, or you may work as an intern in a museum or a social agency.

Archaeology is generally considered to be part of anthropology. Undergraduate students who are interested in Archaeology may major in Anthropology or Geography at UNT. To choose the correct major, students should seek advice from faculty members in both departments. Generally speaking, those interested in archaeology with an anthropological focus (concerning social and cultural perspectives) should major in Anthropology and then take a variety of Archaeology courses. Those students interested in Archaeological Science (environmental archaeology, geoarchaeology, zooarchaeology) should major in Geography. Graduate students interested in studying Archaeology at UNT must do so through the Master’s in Applied Geography program. All Archaeology courses are listed under the ARCH prefix and are taught through the Department of Geography.

**The Archaeology Minor** if a student is majoring in Anthropology or Geography and their interests lie in Archaeology, they may not
minor in Archaeology because ARCH courses are part of the curriculum for each major. If a student is majoring in Geography, they should minor in Anthropology to gain exposure to relevant coursework. If majoring in Anthropology, minor in Geography to gain additional skills and concepts relevant to a career in Archaeology. A double major in Anthropology and Geography is another desirable option for those who desire a career in Archaeology.

Physical anthropology is generally considered to be part of anthropology. Physical/biological anthropology is housed in the Biology Department. Undergraduate students wishing to focus on Physical Anthropology will major in Anthropology, but they should take as many courses as possible in Physical/Biological anthropology.

College of Information
The Bachelor of Arts in Linguistics

UNT linguistics seeks explanations for language as a fundamental human cognitive endowment. As such, we investigate how languages are structured, used, exhibit variation, and change over time. Through a variety of courses students will learn about:

- how sounds combine to form syllables and phrases (*phonetics, phonology*)
- the roots of a language, and of the affixes – the prefixes, infixes and suffixes which combine with them – and how words change over time (*morphology*)
- how the various categories of words (e.g., nouns, verbs, adjectives, adverbs, prepositions) and the ways in which these categories combine with adjacent words to form phrases (*syntax*)
- how the meanings of words combine with each other to yield meanings for clauses and sentences, how meanings can change over time, and how figures of speech (like metaphor) work to extend the core meanings of words (*semantics and pragmatics*)
- how language establishes social relationships and reflects social processes, the purposes for which language is used, the sources of linguistic variation, the mechanisms of linguistic change, and how change spreads through a speech community (*sociolinguistics, discourse analysis*)
- how language is learned, both by children acquiring their first language, and the way people learn a second language and the most current methods of teaching language to non-native speakers (*language acquisition, ESL teaching methods*)
- how to manage, catalog, and analyze language data in large online databases and the techniques for processing language with computers at all levels of linguistic structure (*computational linguistics*)
### The Bachelor of Science in Information Science (BSIS)

The BSIS degree prepares students for a career at the intersection of information, people and technology. The continuous growth of information and technology innovation have led to a host of related trends and issues, including social media, security, privacy, digital divide, information literacy, open access, digital curation and more. With the need to address these issues comes the importance of educating a new generation of information professional who not only have the can-do attitude but also flexible, innovative, entrepreneurial and progressive. For more information about the program refer to the program website at: [https://lis.unt.edu/BSIS](https://lis.unt.edu/BSIS)

The Department offers different forms of financial support and scholarships for the BSIS program. The Tuition Assistance Scholarship (TAS) is awarded to newly admitted and enrolled majors in the Bachelor of Science in Information Science program. Transfer students are eligible for TAS as well. Recipients of the TAS may also apply for additional LIS financial assistance and competitive scholarships. For more information about the program refer to the program website at: [http://informationscience.unt.edu/scholarships-and-awards](http://informationscience.unt.edu/scholarships-and-awards)

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**The Bachelor of Science**

Information Science

The Tuition Assistance Award (TAA) $1000 is available to all students to BS in information science or MS in library science or information science.
The Bachelor of Science in Kinesiology

The mission of the undergraduate program is to develop students who are recognized for their leadership in the human service and educational realms of public and private schools and institutions. The program prepares students to go into corporate fitness programs, fitness and/or sports medicine centers, as well as careers in teaching and/or coaching of physical education. Students with a bachelor's degree in Kinesiology are committed to best practices within the field of human movement and wellness.

There are five possible tracks to a bachelor's degree in Kinesiology:

- **General Non-Certification** - offers a degree in Kinesiology with wide latitude for choice of studies.

- **All-Level Teacher Certification** - students will graduate with all-level Physical Education certification.

- **Health Fitness Interest** - This option prepares students for fitness-related careers and research.

- **Athletic Training** - This option emphasizes athletic training techniques and theory.

- **Allied Health Pre-Professional** - designed for acceptance into graduate programs in physical therapy, occupational therapy, physician’s assistant or medicine.
The Bachelor of Science
Recreation, Event and Sport Management

The undergraduate program in Recreation, Event and Sport Management emphasizes human development, communication studies, the study of leisure, and how to plan, design, lead, and evaluate recreation and leisure programs.

Students with a Bachelor of Science degree in Recreation, Event and Sport Management are prepared to enter the recreation services industry. There are two possible interest areas for a Bachelor's degree in Recreation, Event and Sport Management:

• **Sport Management** - prepares students for coaching and sports management.

• **Program Management** - this interest area includes a minor outside of the department chosen in collaboration with an advisor.

In total: 30

Graduate Programs& Degree Type

Scholarships

If GPA reaches 3.25 or higher, students are eligible to apply for the UNT academic scholarship which offers in-state tuition plus $1000, in total equal to $ 8000. Students can also apply for other scholarships.

The Tuition Assistance Award (TAA) $ 1000 is available to all newly-admitted students to BS in *information science* or MS in *library science* or *information science*.

Education Target
The mission of the M.S. in Computer Engineering Computer Science is to provide high quality research and educational programs by maintaining a balance between theoretical and experimental aspects of computer engineering, as well as a balance between hardware and software issues, and by providing curricula that serve the individuals and organizations in the United States in general, and those in North Texas in particular. The department strives to facilitate a collegial atmosphere that is conducive to intellectual and scholarly pursuits of faculty and students. The department strongly encourages interdisciplinary research and education.

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<tr>
<th>College of Engineering</th>
<th>ABET accredited</th>
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The Master of Science Degrees

- Computer Engineering
- Computer Science

The admission requirements:

1. TOEFL minimum ibt 79, and the IELI language skill training courses are required if TOEFL ibt score is in 79-90

2. Students submit the following:
   - three recommendations from employers or professors
   - resume
   - statement of purpose
   - official transcripts from undergraduate and graduate

3. conditional admission offer for the completion of IELI

4. GRE: verbal 420, Quantitative 710 and analytical 3.5 before 2011; verbal 148, quantitative 155 and analytical 3.5 after August 2011.

5. GPA 3.0
The Master of Science Degrees

Materials Science and Engineering

The admission requirements:

1. Conditional admission offer:

   Yes, if applicants satisfy the basic admission requirements. The student needs to finish GRE by the end of the first semester after joining UNT.

2. The graduate admission requirements:

   - Student needs to have a UG degree from an accredited program with a major in materials science and engineering (including metallurgy, ceramics/inorganic materials, polymers) or highly related field (material physics, chemistry, nanotechnology).
   - Minimum GPA requirement is 3.0
   - Minimum GRE requirement is 300 (for conditional admission).
   - Minimum TOEFL score is 79 (student can be waived from TOFEL test if passing UNT IELI courses.

3. Students also submit the following:

   - three recommendations from employers or professors;
   - resume;
   - statement of purpose
   - official transcripts from undergraduate and graduate

Biomedical materials, metals, polymers, glasses, and electronics: all are being tested and improved every day by materials engineers and scientists solving vital problems and advancing technology. Where will you make your contribution?

The University of North Texas’ Department of Materials Science and Engineering offers course work leading a BS, MS, PhD, as well as a minor for students pursuing other degrees. The program provides strong collaborative links with other universities and industries in the Dallas-Fort Worth region and research organizations throughout the world.

The department, ranked among top 50 in the nation, supports state of the art research laboratories that provide opportunities for cutting edge research in:

- Materials characterization and development
- Atomic and nano-scale engineering
- Biomaterials and biomedical technology
- Modeling and simulations in materials
- Electronic and energy materials
- Optoelectronics and nanotechnology
- Biomimetics
- Polymers and composite materials

College of Merchandising and Hospitality & Tourism

The Master of Science Degrees

Students earning a Master of Science degree in Hospitality Management view themselves as global leaders who have the core competencies
Hospitality Management

The admission requirements:

1. Conditional admission offer:
   
   If the applicant meets the admission requirements, however GRE needs to be completed before enrolling in the second semester.

2. The graduate admission requirements:

   - A bachelor’s degree from an accredited university
   - 3.00 GPA in the undergraduate degree and/or Masters Coursework for admission to the Master’s program
   - Competitive scores on the Graduate Record Examination (GRE) or the GMAT *
   - TOEFL 79 or IELTS 6.5
   - Evaluation of undergraduate courses regarding specified prerequisite courses in hospitality before beginning the graduate program. *

3. Students also submit the following:

   - three recommendations from employers or professors;
   - resume;
   - statement of purpose
   - official transcript from undergraduate and graduate

   * May be part of conditional admission requirements

and a global perspective required for effective business interactions. As the industry demand for graduates of hospitality management programs increases, the need for quality education in the field continues to grow.

The 36 credit-hour Master of Science degree in Hospitality Management offers an integrated program of study focusing on the management of products, services, and experiences in a consumer-driven global market. Courses are taught by knowledgeable and helpful faculty members who are actively involved in research involving hospitality operations, legal and regulatory aspects, marketing of hospitality services, sustainability, curriculum development, information technology, and global consumer issues impacting the hospitality industry. Effective leaders are developed through core competencies including solving complex problems, generating new knowledge, communicating effectively, and creating new product and business strategies. Graduate coursework in areas such as research methods and applications, consumer theory, global tourism, restaurant development, and hotel operations prepare students for careers in lodging management, restaurant management, resort management, and tourism management. In addition to developing management specialists, the program provides education for academic careers in teaching hospitality management. The degree program also offers a Field Experience course which provides an opportunity for a work experience off campus under the Curricular Practical Training. This program offers the choice of Thesis or Problem in Lieu of Thesis.

College of Arts and Sciences
The Master of Science Degree

Physics

The admission requirements:

1. Conditional admission offer:
   At least 12 credit hours of graduate level courses from the following: Electricity and Magnetism, Classical Mechanics, Quantum Mechanics, Statistical Mechanics.

2. Graduate admission requirements:
   - Students must have an undergraduate degree in physics or applied physics
   - Minimum GPA of 3.0
   - Minimum TOEFL score of 79. Students who have a score in the range of 70-78 will require half year of English study at UNT.
   - GRE score: at least 640 Quantitative, and 3.5 Analytical (4.0 for students with a Master's degree). For tests taken on or after Aug 1, 2011, the recommended minimum quantitative score is 152.

3. Students also submit the following:
   - three recommendations from employers or professors;
   - resume;
   - statement of purpose
   - transcripts from undergraduate and graduate

4. Following completion of the second year of this program at UNT, a student is expected to have:
   (i) 3 credit hours of graduate level Classical Mechanics

A graduate degree in Physics from UNT provides students with high-quality instruction, individual attention and access to an array of resources to support students’ studies and research. Valuable research experience is emphasized. Students will work with accomplished and respected faculty members in state-of-the-art research facilities. During one’s studies, one may perform research in a variety of areas, including: computational materials modeling, experimental accelerator-based materials modification and analysis, nonlinear dynamics and complex systems, quantum optics and nano-photonics, theoretical and experimental atomic physics, theoretical and experimental condensed matter physics. The program also offers a variety of other valuable opportunities to prepare students for success. Students in the program routinely author and co-author refereed publications in professional literature. Students also participate in professional meetings, where they present their research results, begin establishing their reputations as scientists and develop important networks of contacts. The program curriculum offers experience in solving important problems ranging from the fundamental to the applied. A degree from the program may lead to opportunities in a variety of exciting fields and future career opportunities in education and academia, industry and the private sector and at national laboratories and other government agencies.
(ii) 3 credit hours of graduate level Statistical Mechanics
(iii) 6 credit hours of Electricity and Magnetism
(iv) 6 credit hours of quantum Mechanics
(v) 4 other electives; two of which could be research topics. The opportunity to do research will be made to students who have sufficiently good standing in the department to continue to the PhD program.

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<th>The Master of Science Degree</th>
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<td>Mathematics in Statistics, Applied Mathematics, or related field</td>
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**The admission requirements**

1. Conditional admission offer on the condition that applicants satisfy the basic admission requirements
2. Graduate admission requirements
   - GPA 3.0
   - TOEFL 79 or higher, IELTS 6.5 or higher
3. Students also submit the following:
   - Transcripts from undergraduate and graduate. Official transcripts must include proof-based courses in

UNT mathematics graduate program allows students to do research in pure math, statistics, and applied math. The department has groups of outstanding faculty in mathematical logic, dynamical systems, algebra, and statistics, and in addition faculty in number theory, probability, applied math, complex analysis, and functional analysis.
The admission requirements:
1) Earn a bachelor's degree from a regionally accredited institution.
2) Earn a 3.0 grade point average or higher on all undergraduate work OR a 3.25 GPA on the last 60 hours of your undergraduate degree OR a 3.4 GPA on your master's degree.
3) Earn competitive scores on the GRE.
4) Submit a Candidate Statement.

Students in this program graduate with an understanding of basic research methodology and an understanding of the professional literature, trends and research being conducted in kinesiology. Career opportunities for graduates are generally found in the private sector with health clubs, wellness centers, corporations, rehabilitation centers, athletic groups and other private groups; or within the teaching profession as teachers, coaches, athletic trainers and administrators.

Students in this program also have the option of concentrating in Sport Pedagogy, with optional PE Teacher Certification.
The Master of Science Degree
Recreation, Event and Sport Management

The admission requirements:

1) Earn a bachelor’s degree from a regionally accredited institution.
2) Earn a 2.8 grade point average or higher on all undergraduate work OR a 3.0 GPA on the last 60 hours of your undergraduate degree OR a 3.4 GPA on your master's degree.
3) Submission of verbal, quantitative and analytical writing GRE scores are required. Miller Analogies Test (MAT) or Graduate Management Admissions Test (GMAT) scores can be substituted for the GRE.
4) Submit a typed 300-word Candidate Statement.

The Master of Science degree program with a major in recreation, event and sport management (RESM) is designed to prepare students for management-level positions within the recreation, event and sport management field, or for further graduate work in recreation or sport.

8 majors