

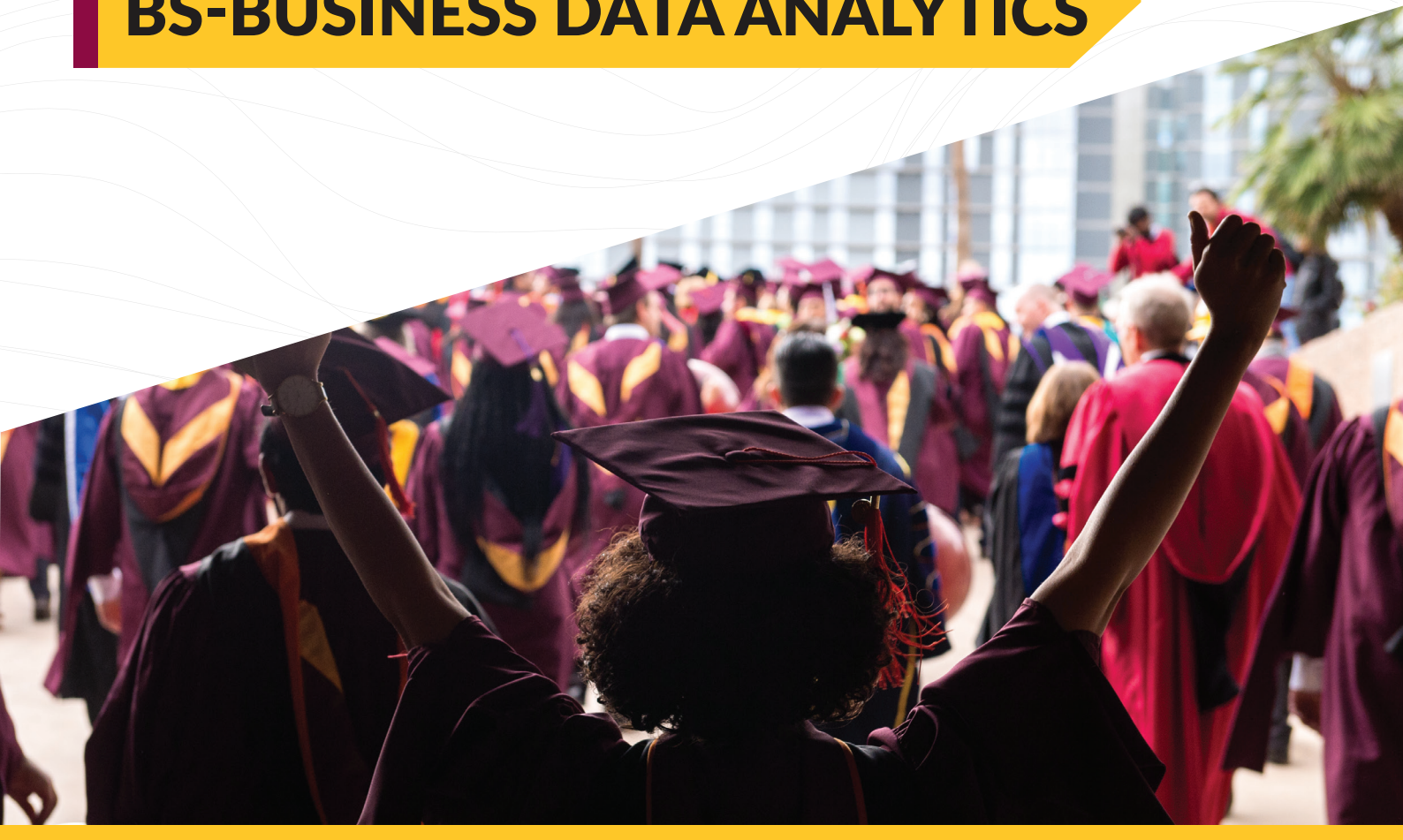


**SHIV NADAR**  
INSTITUTION OF EMINENCE DEEMED TO BE  
**UNIVERSITY**  
DELHI NCR  
INTERNATIONAL COLLEGE

**ASU** Arizona State  
University

**Dual Degree Program**

**BS-COMPUTER SCIENCE**  
**BS-BUSINESS DATA ANALYTICS**



## // Shiv Nadar University, Delhi-NCR

### India's premier multidisciplinary research university

Shiv Nadar University was established in 2011 by Mr. Shiv Nadar, one of Asia's foremost philanthropists and a pioneer of the technological revolution in India. It is the youngest university to be recognised as an Institution of Eminence by the Government of India, a distinct category of institutions mandated to achieve global excellence. Located in a sprawling campus in the National Capital Region of India, the university draws faculty from top institutions in India and across the world.

#### RECOGNITIONS



#### Recognized as an Institution of Eminence

1 of the only 4 private universities in the country to be designated as an Institution of Eminence by the Government of India



#### Ranked amongst the top 36% institutions in Asia by QS Asia rankings 2024

Ranked 41 in India and is among the top 36% of universities in Asia as per QS Asia University Rankings 2024

CAREERS<sup>360</sup>

#### #7 Top Institutions to Study in India

Ranked #7, Shiv Nadar features among top institutions like IISc Bangalore, the IITs (Madras, Delhi, Kharagpur, Kanpur and Bombay) and leading private institutions of India. In Uttar Pradesh it ranks second, following IIT Kanpur.

(Careers 360, 2024 ranking of top institutions to study in India)



#### National Institutional Ranking Framework (NIRF)

Youngest university to be ranked among the top 100 of NIRF, 7 years in a row (2018-2024)

## // Arizona State University, USA

### Repeatedly ranked #1 in areas that matter – innovation, sustainability and global impact

Arizona State University is one of the largest, top-ranked public universities in the U.S., with 17 schools and colleges offering over 800 degree programs supported by more than 5,300 faculty members. At ASU, the culture of innovation and inclusion draws pioneering researchers to the faculty and attracts highly qualified students from all 50 states and more than 130 nations. Arizona State University has been named the No. 1 public university for hosting international students by the 2023 Institute of International Education's Open Doors Report, ahead of the University of Illinois, Purdue, and the University of Michigan. ASU has held the No. 1 position for public universities for six of the past eight years.

#### RECOGNITIONS

## Repeatedly ranked

# #1

### innovation

ASU ahead of MIT and Stanford  
— U.S. News & World Report, 2016–24

### sustainability

ASU ahead of Stanford and UC Berkeley  
— Sustainability Tracking, Assessment & Rating System, 2023

### global impact

ASU ahead of MIT and Penn State  
— Times Higher Education, 2020–23



## // Why pursue a dual degree with Shiv Nadar University and Arizona State University?

These dual degree programs offer unique educational opportunities to students in India. It is bolstered by a one-of-its-kind partnership between the most innovative university in the US and India's premier multidisciplinary research university accorded the status of Institution of Eminence by the Government of India.

The BS in Computer Science and BS in Business Data Analytics programs at SNU offers a comprehensive 4-year undergraduate education, enriched with ASU curriculum. In addition, the integration of ASU courses in this program provides you the opportunity to accrue credits that can be transferred to ASU at the onset of your 3rd year, allowing you to complete both an ASU degree and SNU degree simultaneously, in the same timeframe as one.

Obtain a bachelor's degree from the largest engineering school in the US, accredited by ABET

The Global Employability University Ranking & Survey (GEURS), released recently, ranked ASU 34th among international universities and 13th among U.S. institutions for employable graduates. With those rankings, which were the same in 2023, ASU is ahead of Johns Hopkins, the University of Chicago, Dartmouth, Brown and UCLA

Obtain the option to work in the US for up to 3 years after you finish your degree

### Compare Your Dual Degree Program With Other Options:

	4-YEAR FULL TIME PROGRAM AT ASU	DUAL DEGREE	DEGREE AT PREMIER INDIAN UNIVERSITY
Degree	ASU	Both ASU And SNU	Indian institution
Optional Practical Training (OPT) in the US	Up to 3 years OPT	Up to 3 years OPT	Not available
Student Experience	Full immersion at ASU	<ul style="list-style-type: none"> <li>• Best of both Indian and international experience</li> <li>• Selected courses jointly taught with ASU faculty</li> <li>• Summer immersion at ASU campus (Optional)</li> </ul>	Limited international exposure, usually not integrated into the curriculum
Approximate Cost of Undergraduate Degree (Including Living Expenses, In USD)	\$249,000	\$150,000	\$40,000

## // Why Pursue a Bachelor of Science in **Computer Science?**

Computer science graduates find employment in a variety of capacities ranging from computer and software design to development of information technologies. Their jobs are often distinguished by the high level of theoretical expertise they apply to solving complex problems and the creation and application of new technologies.

Some examples are:



Creating video games and systems



Designing Artificial Intelligence systems



Developing network security applications



Discovering data management and mining solutions for large-scale data analytics

## // Concentrations available with a Bachelor of Science in Computer Science

### Concentration in Cybersecurity

This concentration provides students with the knowledge, skills and the advanced development capability in science and engineering for cybersecurity, including computer and network security, software security, data, and information security, applied cryptography and computer forensics. Students will have a competitive advantage if they wish to pursue graduate studies in related areas or to secure employment.



### Concentration in Software Engineering

This concentration focuses on the development of distributed software, service-oriented applications, modeling notations, software architectures and other tools and skills necessary to work as a software engineer or software task leader on both large and small projects. Students will gain a solid foundation for pursuing graduate study and performing research and development in emerging areas such as model-based design, enterprise software engineering, service-oriented architecture, simulation-based software development and visual modeling system-of-systems engineering.

## // Why pursue a Bachelor of Science in Business Data Analytics?



The BS program in Business Data Analytics prepares students with the requisite knowledge, skills and experience to create and manage big data initiatives and associated business processes in order to facilitate large-scale data analytics in organisations. Students acquire organisational and technical competencies to implement data gathering, cleansing, integration and modeling tasks, as well as data asset analysis for business applications.

The program covers data warehousing, dimensional modeling, big data analytics methods and visualisation tools and techniques, and it introduces topics such as data mining and predictive analytics. Graduates can become data analysts, data architects, data visualisation developers, data change agents and data operators. Many graduates serve as architects, change agents and analytics tool suite operators for business and government.

## Featured Courses



### Big Data Analytics in Business

Applications of machine learning, data and text mining for big data, Hadoop, cloud-based solutions, fundamentals of big data programming, social media and big data, NoSQL, GIS, and business case studies.



### Business Machine Learning

Building predictive analytics (e.g., SEMMA, KDD); exposure to logistic regression, machine learning and decision tree methods; understanding lift factors, ROC curves; hands-on use of mining software; business case studies.



### Business Database Systems Development

Focuses on business database and data warehousing systems, development and management. Topics include capturing business requirements using data modeling, SQL, data security, operational and analytical data stores and data integrity.



## ASU Accreditations

The BS program in Computer Science at Arizona State University is accredited by the Computing Accreditation Commission of ABET, <http://www.abet.org>.

The BS program in Business Data Analytics at Arizona State University is accredited by the Association to Advance Collegiate Schools of Business (AACSB).



## // Program Details Year 1 to Year 4

	YEAR 1 AND YEAR 2	YEAR 3 AND YEAR 4
Campus	 <p>SHIV NADAR INSTITUTION OF EMINENCE DEEMED TO BE UNIVERSITY DELHI NCR INTERNATIONAL COLLEGE</p>	 <p>ASU Arizona State University</p>
Registration Status	<ul style="list-style-type: none"> <li>• Student registered with Shiv Nadar</li> <li>• Student SNU ID created.</li> </ul>	<ul style="list-style-type: none"> <li>• Student registered with ASU</li> <li>• Student ID created by ASU</li> </ul>
Faculty	<ul style="list-style-type: none"> <li>• Shiv Nadar University faculty</li> <li>• Selected courses jointly taught with ASU faculty</li> </ul>	<ul style="list-style-type: none"> <li>• ASU faculty</li> </ul>
Student Supports	<ul style="list-style-type: none"> <li>• Shiv Nadar University orientation</li> <li>• Guaranteed accommodation on campus for 2 years</li> <li>• Shiv Nadar University academic advising</li> <li>• ASU certificate courses</li> </ul>	<ul style="list-style-type: none"> <li>• ASU orientation</li> <li>• ASU housing assistance</li> <li>• ASU academic advising and mentoring</li> <li>• ASU paid student work, if available</li> </ul>
ASU Summer Experience (Optional)	<p>ASU Summer Experience at the Tempe, Arizona campus with a focus on developing leadership skills and learning about the United Nation's Sustainable Development Goals.</p>	

\*The programs are subject to academic articulation approvals.

# Fee Structure

## BS Computer Science and BS Business Data Analytics

Shiv Nadar University, Delhi-NCR, India (Year 1 and Year 2 )

Tuition Fees*	Living Expenses*	Admission Charges	Security Deposit
₹ 8 Lakhs per year for 2 years	₹ 2 Lakhs per year for 2 years	₹ 60,000 (One time)	₹ 30,000 (refundable at the end of 2 years)

**Disclaimer:**

- \* The living expenses include hostel fees, mess charges, and laundry charges, and they cover access to 24\*7 primary medical services. The hostel fee is considered for twin-sharing non-AC rooms. Any other type of accommodation, including AC or single rooms will be charged additionally.
- \* Tuition Fee and living charges will be revised annually by up to 8%.

Arizona State University, USA (Year 3 and Year 4 )

Tuition Fees*	Living Expenses*	Disclaimer: * This is only an estimated fee for Academic Year 2026-2027. Arizona State University reserves the right to increase or modify tuition and fees without prior notice, upon approval by the Arizona Board of Regents or as otherwise consistent with Board policy.
\$45,000 (approx) per year for 2 years	\$20,000 (approx) per year for 2 years	To check the existing tuition fee distribution, refer to the ASU tuition estimator. <a href="https://tuition.asu.edu/cost/tuition-estimator">https://tuition.asu.edu/cost/tuition-estimator</a>

# Education Loan

Shiv Nadar University, Delhi-NCR, India (Year 1 and Year 2 )

Please connect :  
dualdegree.admissions@snu.edu.in

Arizona State University, USA (Year 3 and Year 4 )

**Student loans through Mpower**

- No collateral or cosigner
- Loans up to \$100,000 to cover 100% of tuition and living expenses in the U.S.
- 10-year repayment and fixed interest rates for the entire term of the loan
- Hassle-free application approval process in 5-7 days (conditional offer in 20-30 minutes)
- No prepayment penalty



# Eligibility & Transfer Requirements

## Bachelor of Science in Computer Science

### Eligibility:

- i) 4 years of mathematics during high school (Grades 9 – 12).
- ii) 4 years of lab sciences during high school (Grades 9 – 12), this includes biology, chemistry, and physics.
- iii) Minimum 65% marks in aggregate of Physics, Chemistry, and Mathematics in class 12th Board exam.

### Transfer Requirements to ASU after successful completion of first two years at Shiv Nadar University, Delhi NCR:

- a) Minimum GPA of 6 out of 10 as per Shiv Nadar University grading system applicable.
- b) English Language Proficiency Requirement: English proficiency tests with minimum scores must have been taken no longer than two years before the student's start date at ASU. Any one of the following:
  - i) A minimum TOEFL iBT score of 79 (internet-based test, taken in a testing center)
  - ii) A minimum IELTS score of 6.5,
  - iii) A minimum PTE score of 58,
  - iv) A minimum Duolingo English score of 105
  - v) A minimum Cambridge English score of 176

## BS Business Data Analytics

### Eligibility:

- i) 4 years of mathematics during high school (Grade 9 – 12).
- ii) Minimum two years of lab sciences during high school (Grade 9 – 12), this includes biology, chemistry, physics, earth sciences, and integrated sciences.
- iii) Minimum 65% marks in aggregate (academic subjects) in class 12th Board exam. Must include Mathematics and English.

### Transfer Requirements to ASU after successful completion of first two years at Shiv Nadar University, Delhi NCR:

- a) Minimum GPA of 6 out of 10 as per Shiv Nadar University grading system applicable.
- b) Other essential requirements for transfer
  - i) 1230 SAT Reasoning OR
  - ii) 25 ACT Score, OR
  - iii) 4 GPA in ASU competency courses in high school
- c) English Language Proficiency Requirement: English proficiency tests with minimum scores must have been taken no longer than two years before the student's start date at ASU. Any one of the following:
  - i) A minimum TOEFL iBT score of 79 (internet-based test, taken in a testing center)
  - ii) A minimum IELTS score of 6.5,
  - iii) A minimum PTE score of 58,
  - iv) A minimum Duolingo English score of 105
  - v) A minimum Cambridge English score of 176

# Admission Process

The admission process for 2024 is as follows:

Bachelor of Science in Computer Science	Bachelor of Science in Business Data Analytics
<b>Route 1:</b> JEE Mains 2024 + Interview	<b>Route 1:</b> JEE Mains 2024 + Interview
<b>Route 2:</b> SNUSAT + APT+ Interview	<b>Route 2:</b> SNUSAT + APT+ Interview
<b>Route 3:</b> College Board SAT + Interview – Candidates can apply with a valid SAT score	<b>Route 3:</b> College Board SAT + Interview – Candidates can apply with a valid SAT score
<b>Route 4:</b> ACT + Interview - Candidates can apply with a valid ACT score	<b>Route 4:</b> ACT + Interview - Candidates can apply with a valid ACT score
<b>Route 5:</b> CUET 2024 + Interview	<b>Route 5:</b> CUET 2024 + Interview

**For Shiv Nadar University  
Admission Team,**  
Write to us at [dualdegree.admissions@snu.edu.in](mailto:dualdegree.admissions@snu.edu.in)  
Or call at +91 8448873321

**Address:**  
Shiv Nadar University, Delhi-National Capital Region (NCR), India  
[www.snu.edu.in/home](http://www.snu.edu.in/home)



**APPLY NOW**