



*Where Theory meets
Practical Training*

SIIMT

BSC IN DATA SCIENCE

Top Rated

4.8



INTERNATIONAL PARTNERS



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GTEC



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ABOUT US

SIIMT University College (Shiv India Institute of Management & Technology) is an Indian-based institution in Ghana, renowned for delivering top-notch IT and business education. Established in 2013 in Labone, Accra, SIIMT relocated in 2018 to its modern campus near the Nima Police Station, at the foot of the Nima-Kanda overpass and established a new branch at Spintex Rd.

We are fully accredited by the Ghana Tertiary Education Commission (GTEC) to run undergraduate programs in affiliation with the University of Cape Coast, and also registered with CTVET since 2013 to offer practical, industry-driven technical and vocational courses.

In partnership with IndoSoftwares & InfraSecurities, global tech solutions leaders, SIIMT bridges academia and industry by providing students with hands-on experience in software development, data analytics, cybersecurity, cloud computing, networking, digital marketing and more.

Whether you're pursuing a diploma, degree, or short course, SIIMT equips you with the skills and mindset needed to thrive in today's digital world.

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INDOSOFTWARES
SOLUTIONS LIMITED



INFRA
SECURITIES

WHY CHOOSE US

80 %

Hands-on Practical

20 %

Theory

HANDS-ON LEARNING

Immerse yourself in practical training at SIIMT University College's Data Analytics program.



TAUGHT BY INDIAN EXPERTS

Our passionate instructors are industry veterans, ready to share their wisdom and guide you to success.



FOUNDATION FROM SCRATCH

Don't worry about prior knowledge! We start from scratch, ensuring everyone can excel in our dynamic learning environment.



CUTTING-EDGE SYLLABUS

Our curriculum is a step ahead, incorporating the latest technologies, trends, and global job market requirements



PROVEN SUCCESS STORIES

Witness exceptional testimonials and alumni boasting high salaries. Graduates from SIIMT are making waves in their careers with coveted job opportunities.



DELIGHTED, SATISFIED STUDENTS!

Our success stories speak for themselves. Graduates from SIIMT are shining in their careers with lucrative job opportunities.



UNDERGRADUATE PROGRAMME

Bachelor of Science in Data Science

*Awarded by: University of Cape
Coast (UCC)*



ADMISSION DEADLINE

ADMISSION FOR SESSION 1

- **Open** - First Week of November
- **Closes** - Last Week of March

ADMISSION FOR SESSION 2

- **Admission** - First Week of May
- **Admission** - Last Week of August

Batches

- **Weekday** - Regular
- **Weekend** - Saturday / Sunday

DURATION

- **4 Years** - 8 Semesters
- **Intensive practical hands-on**

Registration Fee

- **GHC 200** - Ghanaians
- **GHC 600** - Non Ghanaians

Tuition Fees

- **GHC 4,000** - Ghanaians
- **GHC 9,500** - Non Ghanaians

Other Mandatory Fees

Ghanaians & Non Ghanaians

- **GHC 500**

ELIGIBILITY

Any of the following

- **WASSCE**
- **SSSCE**
- **GBCE**
- **HND | Academic Diploma**
- **MATURE** - Above 25 Years
- **GCE**
- **Baccalaureate**
- **Undergraduates**
- **Graduates**

Note:

Applicants presenting transcripts from non-Ghanaian institutions are required to have them evaluated and authenticated by the Ghana Tertiary Education Commission (GTEC) as part of the admission process.

ADMISSION REQUIREMENTS FOR **BSC DATA SCIENCE**

Category A: Senior High School (SHS) Certificate Holders

Applicants must meet the following criteria:

- Applicants must have six (6) credit passes (A-D or better), including three (3) core subjects: English Language, Mathematics, Social Studies and Integrated Science, and three (3) electives relevant to the program.
- WASSCE applicants must have six (6) credit passes (A1-C6 or better) in: English Language, Mathematics, Integrated Science or Social Studies, and three (3) elective subjects.

WASSCE	SSSCE	Equivalent
A1	A	1
B2	B	2
B3	C	3
C4 / C5 / C6	D	4
D7 & E8	E	5
F9	F	Fail

Category B: Mature Applicants

Applicants must meet the following criteria:

- Be at least 25 years old by 1st February or 1st September of the academic year of admission.
- Hold one of the following:
 - Teacher's Certificate 'A'
 - SHS Certificate or a Professional Training Certificate from a recognized institution
 - CTVET Certificate or City & Guilds Certificate
 - Have credit passes in Core Mathematics and English Language, or
 - Pass the Mature Students Entrance Examination (covering English and Mathematics) and an admission interview.
- Mature enrolment should not exceed 25% of the total student intake

Category C: Advanced Business Certificate Examination (ABCE) Holders

- *Must have passes in three (3) subjects, with at least one pass being Grade C or better.*
- *Additionally, must hold five (5) credit passes in English Language, Mathematics, and Integrated Science/Social Studies in the General Business Certificate Examination (GBCE).*

Category D: Diploma Holders

- *Recognized Diplomas or Certificates (e.g., RSA III, ABCE, etc.)*
- *Foundation stages of professional qualifications such as ACCA, ICA, or CIMA*
- *HND holders who may qualify for top-up programs and can be placed in Level 300 after evaluation.*

Category E: School Certificate / GCE Holders

- *Five (5) credits at GCE 'O' Level, including English Language and Mathematics, and two (2) 'A' Level passes in relevant subjects other than General Paper.*
- *Applicants with 'A' Level results older than five (5) years must apply as Mature Applicants.*

Category F: International Qualifications (IGCSE / IB)

- *Holders of IGCSE or IB must possess at least Grades A/A-C* in English, Mathematics, and Biology at the Standard ('O' Level / SL) level.*
- *In addition, applicants must have three (3) Higher Level (HL) or A-Level subjects with grades A-C (IB2 A-C) in relevant disciplines.*

Category G: Transfer Students from other recognized institutions

- *Applicants who have completed Level 100 in IT, Computer Science, Information Science, or a related discipline may enter Level 200.*
- *Applicants who have completed Level 200 in similar programs may enter Level 300.*
- *All transfer students must meet the minimum entry requirements specified under Categories A-E.*

COURSE STRUCTURE

Bachelor of Science in Data Science

Awarded by: University of Cape Coast (UCC)

Duration: 4 Years (8 Semesters)

LEVEL 100.1

Code	Course Title	Credits
UWC101	Communication Skills I	3
UWF101	Foreign Language (French)	3
BDS101	Introduction to Data Science	3
BIT211	Linear Algebra	3
BIT105	African Studies	3
BDS103	Introduction to Programming & Problem Solving	3
Total		18

LEVEL 100.2

Code	Course Title	Credits
UWC 102	Communication Skills – II	3
BIT 102	Logic and Critical Thinking	3
BDS 102	Office Productivity Tools	3
BDS 104	Introduction to Data Analysis with Power BI	3
BDS 106	Programming in Python	3
BIT 107	Calculus – I	3
Total		18

COURSE STRUCTURE

Bachelor of Science in Data Science

Awarded by: University of Cape Coast (UCC)

Duration: 4 Years (8 Semesters)

LEVEL 200.1

Code	Course Title	Credits
BIT 201	Computer Organization & Architecture	3
BDS 201	Data Visualization	3
BIS 205	Database Concepts and Technologies	3
BIS 201	Data Communication	3
BDS 203	Advanced Spreadsheet	3
BIT 110	Calculus – II	3
Total		18

LEVEL 200.2

Code	Course Title	Credits
BDS 202	Data Structures	3
BIS 208	Database Management Systems	3
BIT 206	Operating System Concepts	3
BIT 205	Statistics and Probability	3
BIS 310	Introduction to Artificial Intelligence	3
BIT 204	Object-Oriented Programming with Java	3
BIS 206	Computer Networks	3
Total		21

COURSE STRUCTURE

Bachelor of Science in Data Science

***Awarded by:** University of Cape Coast (UCC)*

***Duration:** 4 Years (8 Semesters)*

LEVEL 300.1

Code	Course Title	Credits
BDS 301	R Programming	3
BDS 303	Machine Learning	3
BDS 305	Big Data Analytics	3
BDS 307	Predictive Modeling	3
BIT 209	Principles of Management	2
BIT 303	Software Engineering	3
Total		17

LEVEL 300.2

Code	Course Title	Credits
BDS 302	Mathematical Modeling	3
BDS 304	Cloud Computing for Data Science	3
BDS 306	Advanced Statistics for Data Science	3
BIT 306	Data Mining and Data Warehousing	3
BIT 310	Research Methods in Computing	3
BDS 310	Deep Learning	3
BDS 302	Mathematical Modeling	3
Total		21

COURSE STRUCTURE

Bachelor of Science in Data Science

Awarded by: University of Cape Coast (UCC)

Duration: 4 Years (8 Semesters)

LEVEL 400.1

Code	Course Title	Credits
BDS 401	Technical Writing for Data Science	3
BDS 403	Business Intelligence for Data Science	3
BDS 405	Ethics and Data Reliability	3
BDS 407	Attachment and Industrial Experience (Elective)	3
BDS 409	Natural Language Processing (Elective)	3
BDS 411	Image and Signal Processing	3
BDS 413	Project I	3
Total		18

LEVEL 400.2

Code	Course Title	Credits
BDS 402	Data Privacy and Security	3
BDS 404	Emerging Technologies in Data Science	3
BIT 404	IT Project Management	3
BDS 408	Time Series Analysis (Elective)	3
BDS 410	Domain-Specific Applications for Data Science (Elective)	3
BDS 412	Project II	3
BDS 402	Data Privacy and Security	3
Total		18

JOB OPPORTUNITIES

Data Scientist

- **Job Role:** Analyze and interpret large datasets to uncover insights and patterns.
- **Job Description:** Builds predictive models, applies machine learning techniques, and drives data-driven strategies for business growth.
- **Average Salary:** GHS 7,000 – 15,000/month

Data Analyst

- **Job Role:** Collect, process, and visualize data for decision-making.
- **Job Description:** Prepares reports and dashboards using Excel, Power BI, or SQL to guide organizational strategy.
- **Average Salary:** GHS 5,000 – 10,000/month

Machine Learning Engineer

- **Job Role:** Develop and deploy AI and machine learning solutions.
- **Job Description:** Designs algorithms and predictive systems to automate and optimize processes.
- **Average Salary:** GHS 8,000 – 16,000/month

Business Intelligence (BI) Analyst

- **Job Role:** Provide strategic business insights through data visualization.
- **Job Description:** Designs BI dashboards and reports to support management and operations.
- **Average Salary:** GHS 6,000 – 12,000/month

Database Administrator

- **Job Role:** Manage and secure organizational data.
- **Job Description:** Oversees database design, maintenance, and performance to ensure data integrity and accessibility.
- **Average Salary:** GHS 6,000 – 11,000/month

Data Engineer

- **Job Role:** Build and maintain data systems and pipelines.
- **Job Description:** Ensures smooth data flow, integration, and quality for analytics and AI use cases.
- **Average Salary:** GHS 7,000 – 14,000/month

Quantitative Analyst (Data Quant)

- **Job Role:** Apply mathematical and statistical models to financial data.
- **Job Description:** Supports investment decisions, risk analysis, and portfolio optimization.
- **Average Salary:** GHS 8,000 – 16,000/month

Healthcare Data Analyst

- **Job Role:** Improve healthcare systems through data analysis.
- **Job Description:** Works with patient, clinical, and operational data to enhance care and efficiency.
- **Average Salary:** GHS 6,000 – 12,000/month

and more



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