1. **What are the courses in the First Year, First Semester for the Bachelor of Science in Information Technology program / BSIT (2022-2023)?**

**• The courses in the First Year, First Semester are:**

1. ICT 102 - Introduction to Computing (3 units)
2. CS 1 - Programming Logic Formulation (3 units)
3. GE 4 MATH - Mathematics in the Modern World (3 units)
4. GE 1 SS - Understanding the Self (3 units)
5. GE 5 ENG - Purposive Communication (3 units)
6. GE ELEC 10 - Philippine Popular Culture (3 units)
7. ICT 136 - Social Issues and Professional Practice 1 (3 units)
8. PE 1 (PATHFit 1) - Movement Competency Training or MCT (2 units)
9. NSTP 1 - ROTC 1/LTS 1/CWTS 1 (3 units)

**• Total Units: 26**

**2. What are the courses in the First Year, Second Semester for the Bachelor of Science in Information Technology program / BSIT (2022-2023)?**

**• The courses in the First Year, Second Semester are:**

1. ICT 103 - Fundamentals of Programming (3 units) [Pre-requisite: CS 1]
2. MATH 122 - Discrete Mathematics (3 units) [Pre-requisite: GE 4 MATH]
3. IT 102 - Computer Electronics and Digital Circuits (3 units) [Pre-requisite: ICT 102]
4. ENG 3 - Technical Writing and Oral Communication for ITE (3 units)
5. GE ELEC 1 - Environmental Science (3 units)
6. GE 2 SS - Readings in Philippine History (3 units)
7. PE 2 (PATHFit 2) - Exercise-Based Fitness Activities (2 units) [Pre-requisite: PE 1]
8. NSTP 2 - ROTC 2/LTS 2/CWTS 2 (3 units) [Pre-requisite: NSTP 1]

**• Total Units: 23**

**Q: What subjects are included in the Second Year, First Semester of the Bachelor of Science in**

**Information Technology program?**

**A: The subjects in the Second Year, First Semester are:**

• GE 6 SS: Art Appreciation (3 units)

• ICT 104: Intermediate Programming (3 units) [Pre-requisite: ICT 103]

• ICT 141: Principles of Accounting (3 units) [Pre-requisite: GE 4 MATH]

• ICT 107: Data Structures and Algorithms (3 units) [Pre-requisite: ICT 103]

• GE 8 SS: Ethics (3 units)

• TRACK 01: IT TRACK 01 (3 units)

• Free Elective 1: Free Elective 1 (3 units)

• PE 3 (PATHFit 3): Choice of Dance, Sports, Martial Arts, Group Exercise, Outdoor and

Adventure Activities (2 units) [Pre-requisite: PE 2]

**Total Units: 23**

**Q: What subjects are included in the Second Year, Second Semester of the Bachelor of**

**Science in Information Technology program?**

**A: The subjects in the Second Year, Second Semester are:**

• ICT 111: Object Oriented Programming (3 units) [Pre-requisite: ICT 104]

• ICT 103: Networking 1 (3 units) [Pre-requisite: IT 102]

• ICT 138: Systems Analysis and Design (3 units) [Co-requisite: ICT 109]

• ICT 109: Information Management (3 units) [Pre-requisite: ICT 107] [Co-requisite: ICT

138]

• IT 104: Platform Technologies (3 units) [Pre-requisite: ICT 102]

• IT 109: Integrative Programming and Technologies 1 (3 units)

• TRACK 02: IT TRACK 02 (3 units)

• PE 4 (PATHFit 4): Choice of Dance, Sports, Martial Arts, Group Exercise, Outdoor and

Adventure Activities (2 units) [Pre-requisite: PE 2]

**Total Units: 23**

**Q: What subjects are included in the Third Year, First Semester of the Bachelor of Science in**

**Information Technology program?**

**A: The subjects in the Third Year, First Semester are:**

• IT 105: Web Systems and Technologies 1 (3 units) [Pre-requisite: ICT 103] [Co-requisite:

IT 111]

• ICT 137: Quantitative Methods (3 units) [Pre-requisite: GE 4 MATH]

• IT 111: Systems Integration and Architecture 1 (3 units) [Pre-requisite: ICT 138, IT 109]

• GE 8 SS: The Contemporary World (3 units)

• ICT 107: Networking 2 (3 units) [Pre-requisite: ICT 103]

• TRACK 03: IT TRACK 03 (3 units)

• Free Elective 2: Free Elective 2 (3 units)

**Total Units: 21**

**Q: What subjects are included in the Third Year, Second Semester of the Bachelor of Science**

**in Information Technology program?**

**A: The subjects in the Third Year, Second Semester are:**

• IT 108: Advanced Database Systems (3 units) [Pre-requisite: ICT 109]

• ICT 108: Information Assurance and Security 1 (3 units) [Pre-requisite: IT 111]

• GE 7 SCI: Science, Technology and Society (3 units)

• ICT 126: Capstone Project 1 (3 units) [Pre-requisite: ICT 138, IT 111, IT 105] [Co-

requisite: IT 108]

• ICT 116: Human Computer Interaction 1 (3 units)

• GE ELEC 7: Gender and Society (3 units)

• TRACK 04: IT TRACK 04 (3 units)

• Free Elective 3: Free Elective 3 (3 units)

**Total Units: 24**

**Q: What subjects are included in the Fourth Year, First Semester of the Bachelor of Science in**

**Information Technology program?**

A: The subjects in the Fourth Year, First Semester are:

• ICT 110: Applications Development and Emerging Technologies (3 units) [Pre-requisite:

IT 103]

• ICT 139: Information Assurance and Security 2 (3 units) [Pre-requisite: IT 107, ICT 108]

• IT 110: Systems Administration and Maintenance (3 units) [Pre-requisite: ICT 109]

• IT 116: Human Computer Interaction 2 (3 units) [Pre-requisite: ICT 116]

• IT 127: Capstone Project 2 (3 units) [Pre-requisite: ICT 126]

• RIZAL: Life and Works of Rizal (3 units)

• TRACK 05: IT TRACK 05 (3 units)

**Total Units: 21**

**Q: What subjects are included in the Fourth Year, Second Semester of the Bachelor of Science**

**in Information Technology program?**

**A: The subject in the Fourth Year, Second Semester is:**

• IT 125: Student Internship Program (6 units) [Pre-requisite: 4TH YEAR STANDING (Refer

to SIP Manual)]

**Total Units: 6**

**Q: What Free Elective courses are available in the Bachelor of Science in Information**

**Technology program?**

**A: The available Free Elective courses are:**

1. IT 115: Computer Aided Design (3 units) [Pre-requisite: ICT 126, ICT 104]

2. ICT 128: Computer Animation 1 (3 units) [Pre-requisite: ICT 102]

3. ICT 129: Computer Animation 2 (3 units) [Pre-requisite: ICT 128]

4. ICT 114: Computer Graphics and Image Processing (3 units) [Pre-requisite: ICT 126, ICT

104]

5. ICT 112: Distributed Systems (3 units) [Pre-requisite: IT 107]

6. ICT 119: Integrative Programming and Technologies 2 (3 units) [Pre-requisite: ICT 109]

7. ICT 132: Advanced Programming (3 units) [Pre-requisite: ICT 104]

**Q: What tracks are available in the Bachelor of Science in Information Technology program?**

A: The available tracks are:

1. Business Analytics Track:

o IT 120: Fundamentals of Business Analytics (3 units)

o IT 121: Fundamentals of Enterprise Data Management (3 units) [Pre-requisite: IT

120]

o IT 122: Fundamentals of Analytics Modeling (3 units) [Pre-requisite: IT 121]

o IT 123: Analytics Techniques and Tools (3 units) [Pre-requisite: IT 122]

o IT 124: Analytics Application (3 units) [Pre-requisite: IT 123]

2. Service Management for Business Process Outsourcing Track:

o ENG 2: Business Communications (3 units) [Pre-requisite: GE 5 ENG]

o IS 121: Service Culture (3 units) [Pre-requisite: ENG 2]

o IS 122: Fundamentals of Business Processes Outsourcing 101 (3 units) [Pre-

requisite: IS 121]

o IS 123: Principles of Systems Thinking (3 units)

o IS 124: Fundamentals of Business Processes Outsourcing 102 (3 units) [Pre-

requisite: IS 122]

3. Animation Track:

o ANIM 101: Fundamentals of Animation (3 units) [Pre-requisite: ICT 102]

o ANIM 102: Fundamentals of Digital 2D Animation (3 units) [Pre-requisite: ANIM

101]

o ANIM 103: Advance Digital 2D Animation (3 units) [Pre-requisite: ANIM 102]

o ANIM 104: Introduction to 3D Animation (3 units) [Pre-requisite: ANIM 103]

o ANIM 105: Animation Project (3 units) [Pre-requisite: ANIM 104]

4. Data Science Track:

o CS 101: Data Science Tools and R Programming (3 units)

o CS 102: Data Preparation (3 units) [Pre-requisite: CS 101]

o CS 103: Exploratory Data Analysis (3 units) [Pre-requisite: CS 102]o CS 104: Statistical Inference and Regression Models (3 units) [Pre-requisite: CS

103]

o CS 105: Practical Machine Learning (3 units) [Pre-requisite: CS 104]

8. ICT 130: Micro Controller System and Applications (3 units) [Pre-requisite: ICT 102]

9. ICT 140: Social Issues and Professional Practice 2 (3 units) [Pre-requisite: ICT 136]

10. ICT 118: System Integration and Architecture 2 (3 units) [Pre-requisite: IT 111]

11. ICT 117: Web Systems and Technologies 2 (3 units) [Pre-requisite: IT 105]

12. ICT 126: Multimedia Systems (3 units) [Pre-requisite: ICT 102]

13. ICT 128: Advanced PC Repair and Troubleshooting (3 units) [Pre-requisite: ICT 104]

14. ICT 135: Mobile Application Development (3 units) [Pre-requisite: ICT 104, IT 105]