

**DEPARTMENT OF COMPUTER AND ROBOTICS EDUCATION**  
***FACULTY OF VOCATIONAL AND TECHNICAL EDUCATION***  
**UNIVERSITY OF NIGERIA, NSUKKA**

**FIRST SEMESTER COURSES – 100 Level**

<b>S/N</b>	<b>Course Code</b>	<b>Course Title</b>	<b>Units</b>
1	GST 111	Communication in English	2
2	EDU 101	Introduction to Teaching Profession	2
3	COS 101	Introduction to Computing Sciences	3
4	MTH 101	General Mathematics	2
5	PHY 107	General Physics Laboratory	1
6	CRE 121	Information Management and Communication Technology	3
7	CRE 123	Word Processing	3
8	VTE 101	Foundations of Vocational and Technical Education	2
			<b>18</b>

**SECOND SEMESTER COURSES – 100 Level**

<b>S/N</b>	<b>Course Code</b>	<b>Course Title</b>	<b>Units</b>
1	GST 112	Nigerian Peoples and Culture	2
2	PHY 102	General Physics	2
3	COS 102	Problem Solving	3
4	CRE 132	Computer Hardware Maintenance	3
5	CRE 152	Foundations of Robotics Education	3
6	CRE 162	Introduction to Computer Programming	2
			<b>15</b>

### FIRST SEMESTER COURSES – 200 Level

S/N	Course Code	Course Title	Units
1	GST 211	Environment & Sustainable Development	2
2	ENT 211	Entrepreneurship and Innovation	2
3	EDU 201	Curriculum, Curriculum Delivery and Teaching Methods	2
4	MTH 201	Mathematical Methods I	2
5	COS 201	Computer Programming I	3
6	SEN 201	Introduction to Software Engineering	2
7	CSC 203	Discrete Structures	2
8	IFT 211	Digital Logic Design	2
9	CRE 211	Methodology in Computer Education	2
10	CRE 251	Robotics Programming I	2
			<b>21</b>

### SECOND SEMESTER COURSES – 200 Level

S/N	Course Code	Course Title	Units
1	MTH 202	Mathematical Methods II	2
2	COS 202	Computer Programming II	3
3	IFT 212	Computer Architecture & Organization	2
4	CRE 224	Multimedia Development and Application	2
5	CRE 226	Computer and Robotics Graphics	2
6	CRE 252	Robotics Programming II	2
7	CSC 299	SIWES I	3
			<b>16</b>

**\*\*\*SIWES I will now hold during the long vacation of 200 Level.**

### FIRST SEMESTER COURSES – 300 Level

S/N	Course Code	Course Title	Units
1	EDU 301	Teaching Practice I	3
2	CSC 301	Data Structures	3
3	ICT 305	Data Communication System & Network	3
4	CSC 309	Artificial Intelligence	2
5	CRE 327	Data Reduction using SPSS	2
6	CRE 351	Mobile Device Maintenance & Repairs	2
7	CYB 201	Introduction to Cyber Security and Strategy	2
			<b>17</b>

### SECOND SEMESTER COURSES – 300 Level

S/N	Course Code	Course Title	Units
1	EDU 302	Educational Measurements, Tests, Research Methods and Statistics	2
2	ENT 312	Venture Creation	2
3	GST 312	Peace and Conflict Resolution	2
4	DTS 304	Data Management	3
5	CSC 308	Operating Systems	3
6	CSC 322	Computer Science Innovation and New Technologies	2
7	CRE 324	Web Development and Application	2
8	CRE 326	Data Science Application in Education	2
9	CSC 399	SIWES II	3
			<b>21</b>

**\*\*\*SIWES II now holds during the long vacation of 300 Level.**

### FIRST SEMESTER COURSES – 400 Level

S/N	Course Code	Course Title	Units
1	VTE 401	Vocational Guidance	2
2	EDU 401	Teaching Practice II	3
3	CSC 401	Algorithms and Complexity Analysis	2
4	INS 401	Project Management	2
5	CRE 421	Spreadsheet Processing	3
6	CRE 423	Gamification	3
			<b>15</b>

### SECOND SEMESTER COURSES – 400 Level

S/N	Course Code	Course Title	Units
1	EDU 400	Project	3
2	VTE 402	Administration and Supervision of Vocational & Technical Education	2
3	CRE 434	Mobile Application Development	3
4	CSC 402	Ethics and Legal Issues in Computer Science	2
5	VTE 404	Evaluation of Vocational and Technical Education	2
6	CRE 452	Design and Development of Educational Robots	3
			<b>15</b>