

**UNIVERSITY OF MINES AND TECHNOLOGY (UMaT), TARKWA**  
**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**  
**COURSE DISTRIBUTION FOR FIRST SEMESTER JANUARY 2025 ACADEMIC YEAR**  
**MSc/MPHIL/PhD COMPUTER SCIENCE AND ENGINEERING - JANUARY ADMISSIONS (2025)**

**YEAR ONE SEMESTER ONE**

SN	COURSE NO.	COURSE TITLE	Dates	C	1ST EXAMINER	2ND EXAMINER
<b>Core Modules</b>						
1.	CE 551	Research Methods**	24/02/2025 - 07/03/2025	3	Dr A. Hamidu	Dr V. M. Nofong
2.	CE 571	Very Large Scale Integration (VLSI)*	10/02/2025 - 21/02/2025	3	P. Blewushie	Dr A. Hamidu
3.	CE 573	Optimisation Methods and Applications*	27/01/2025 - 07/02/2025	3	Dr E. N. Wiah	Assoc Prof L. Brew
4.	CE 575	Realtime Systems*	24/03/2025 - 04/04/2025	3	Dr E Effah	M.Y. Umaru
5.	CE 577	Parallel Computing*	10/03/2025 -21/03/2025	3	Dr A. A. Amponsah	Dr S. Anokye
6.	CE 579	Data Mining*	07/04/2025 -18/04/2025	3	Dr V. M. Nofong	Dr A. Hamidu
7.	CE 589	Information Theory and Coding*	21/04/2025 - 02/05/2025	3	Dr A. Hamidu	Dr A. Kwansah Ansah
<b>Artificial Intelligence Modules</b>						
8.	CE 581	Probability and Random Processes	05/05/2025 - 16/05/2025	3	Dr E. N. Wiah	Assoc Prof L. Brew
9.	CE 583	Computational Intelligence	19/05/2025 - 30/05/2025	3	Dr E. M. Martey	Dr A. Hamidu
<b>Software Systems Modules</b>						
10.	CE 585	Information Systems Analysis, Modeling and Design	05/05/2025 - 16/05/2025	3	Dr S. Anokye	F. E. Y. Broni
11.	CE 587	Software Testing and Quality Assurance	19/05/2025 - 30/05/2025	3	Dr I. Botchway	Dr F. L. Aryeh
<b>Embedded Systems and Control Modules</b>						
12.	CE 597	Advanced Embedded Systems Design	05/05/2025 - 16/05/2025	3	Dr E Effah	M.Y. Umaru
13.	CE 599	Implementation of Digital Signal Processing Systems	19/05/2025 - 30/05/2025	3	Dr E Effah	M. Sitti
<b>Information and Cyber Security Modules</b>						
14.	CE 593	Information Security Concepts and Cryptography	05/05/2025 - 16/05/2025	3	Dr E. Affum	Dr F. L. Aryeh
15.	CE 595	Cyber Threat Intelligence	19/05/2025 - 30/05/2025	3	Dr A. Kwansah Ansah	Dr F. L. Aryeh
<b>Data Communication and Networks</b>						
16.	CE 591	Mobile and <i>Ad-hoc</i> Computing	05/05/2025 - 16/05/2025	3	Dr A. Kwansah Ansah	Dr S. Anokye

\* Core Module

\*\* University Mandatory Module

**YEAR ONE SEMESTER TWO**

SN	COURSE NO.	COURSE TITLE	Dates	C	1ST EXAMINER	2ND EXAMINER
1.	CE 556	Field/Laboratory Work**	Dates to be provided next semester	3	Dept Training Officer	Dept Training Officer
<b>Artificial Intelligence Modules</b>						
2.	CE 572	Multi-Agent Systems	Dates to be provided next semester	3	Dr A. Hamidu	Dr E. M. Martey
3.	CE 574	Computer Vision and Pattern Recognition	Dates to be provided next semester	3	Dr E. M. Martey	Dr A. Hamidu
4.	CE 576	Natural Language Processing	Dates to be provided next semester	3	Dr A. Hamidu	Dr V. M. Nofong
<b>Software Systems Modules</b>						
5.	CE 578	Advanced Data Modeling	Dates to be provided next semester	3	Dr E. M. Martey	Dr S. Anokye
6.	CE 580	Advanced Database Systems	Dates to be provided next semester	3	Dr F. L. Aryeh	Dr A. Kwansah Ansah
7.	CE 582	Pattern Based Software Development	Dates to be provided next semester	3	M.Y. Umaru	F. E. Y. Broni
<b>Data Communication and Networks</b>						
8.	CE 584	Digital Communications	Dates to be provided next semester	3	Dr I. Botchway	Dr S. Akpah
9.	CE 586	Software Defined Networks	Dates to be provided next semester	3	Dr S. Anokye	Dr A. Kwansah Ansah
10.	CE 588	Computer Network Security	Dates to be provided next semester	3	Dr E. Affum	Dr S. Akpah
11.	CE 590	Computer Networks-Architectures, Protocols and Standards	Dates to be provided next semester	3	Dr S. Akpah	Dr A. Kwansah Ansah
<b>Information and Cyber Security Modules</b>						
12.	CE 588	Computer Network Security	Dates to be provided next semester	3	Dr E. Affum	Dr S. Akpah
13.	CE 590	Computer Networks-Architectures, Protocols and Standards	Dates to be provided next semester	3	Dr S. Akpah	Dr A. Kwansah Ansah
14.	CE 592	Cyber Incident Handling and Reporting	Dates to be provided next semester	3	Dr I. Botchway	Dr A. Kwansah Ansah
15.	CE 596	Malware and Email Security Analysis	Dates to be provided next semester	3	Dr F. L. Aryeh	Dr S. Akpah
<b>Embedded Systems and Control Modules</b>						
16.	CE 562	Internet of Things Technology and Applications	Dates to be provided next semester	3	Dr S. Anokye	M.Y. Umaru
17.	CE 594	Systems-On-Chip Design	Dates to be provided next semester	3	M.Y. Umaru	Dr E Effah
18.	CE 598	Adaptive Signal Processing	Dates to be provided next semester	3	Dr E Effah	M.Y. Umaru

\* Core Module

\*\* University Mandatory Module

**Modules Taken Either Semesters**

SN	COURSE NO.	COURSE TITLE	Dates	C	1ST EXAMINER	2ND EXAMINER
1.	CE 500	MSc Thesis		21		
2.	CE 550	MSc Seminar		3		