

<b>Courses Available in the Fall Semester (~ September - January)</b>		
<b>SUBJECT</b>	<b>Credits</b>	<b>Semester at UMB</b>
Basic Mathematics	3	1 <sup>st</sup>
Computer Application	3	1 <sup>st</sup>
Mathematical Logics	2	1 <sup>st</sup>
Pancasila (Indonesian Philosophy)	3	1 <sup>st</sup>
English	3	1 <sup>st</sup>
Data Centre and Server Technology	3	1 <sup>st</sup>
Basic Programming Theory and Lab	2	1 <sup>st</sup>
Database System Design	3	3 <sup>rd</sup>
SQL and PL/SQL	3	3 <sup>rd</sup>
Operating Systems and Configuration	3	3 <sup>rd</sup>
Statistics	3	3 <sup>rd</sup>
IT-Ethics	2	3 <sup>rd</sup>
Matrices for Algebra Linear	3	3 <sup>rd</sup>
Computer Network - CCNA1	3	3 <sup>rd</sup>
Object Oriented Programming	3	5 <sup>th</sup>
Digital Image Processing	3	5 <sup>th</sup>
Software Engineering	3	5 <sup>th</sup>
Object Oriented Design	3	5 <sup>th</sup>
Multimedia Computing	3	5 <sup>th</sup>
Network Scaling/CCNA-3	3	5 <sup>th</sup>
Robotics Programming	3	7 <sup>th</sup>
2d/3d Modeling	3	7 <sup>th</sup>
Computer Graphics	3	7 <sup>th</sup>
IT Audit	3	7 <sup>th</sup>
Indonesian Language	3	
Mandarin Chinese	3	

<b>Courses Available in the Spring Semester (~ March - June)</b>		
<b>SUBJECT</b>	<b>Credits</b>	<b>Semester at UMB</b>
Algorithm and Data Structures	3	2 <sup>nd</sup>
Programming of Algorithms and Data Structures	3	2 <sup>nd</sup>
Discreet Math	3	2 <sup>nd</sup>
Calculus	3	2 <sup>nd</sup>
Computer Architecture	3	2 <sup>nd</sup>
Academic Writing	3	2 <sup>nd</sup>
Object Oriented Analysis	2	4 <sup>th</sup>
Network Security	3	4 <sup>th</sup>
Data Mining	3	4 <sup>th</sup>
Web Programming	3	4 <sup>th</sup>
Network Routing - CCNA 2	3	4 <sup>th</sup>
Mobile Programming	2	4 <sup>th</sup>
Entrepreneurship	3	4 <sup>th</sup>
Software Development Management	3	6 <sup>th</sup>
Research Methodology	3	6 <sup>th</sup>
Network-TCP/IP Programming	3	6 <sup>th</sup>
Cryptography	3	6 <sup>th</sup>
IT Management	3	6 <sup>th</sup>
Visual Programming	3	6 <sup>th</sup>
Interconnecting Network/CCNA-4	3	6 <sup>th</sup>
Indonesian Language	3	
Mandarin Chinese	3	