

**“Accounting and Data Analytics (4 Years/240 ECTS, Bachelor of Science)”**

**TABLE 2: COURSE DISTRIBUTION PER SEMESTER**

A/A	Course Type	Course Title	Course Code	Periods Per Week	Period Duration in Minutes	Number of Weeks/ Academic Semester	Total Hours/ Academic Semester	Number of ECTS
<b>1<sup>st</sup> Academic Year /1<sup>st</sup> Semester</b>								
1	Compulsory	Principles of Microeconomics	AEF100	3	50	14	42	6
2	Compulsory	Introduction to Financial Accounting	AEF110	3	50	14	42	6
3	Compulsory	Introduction to Business	BUS100	3	50	14	42	6
4	Compulsory	Numerical Applications and Methods for Business	BUS210	3	50	14	42	6
5	Compulsory	Principles of Management	MGT100	3	50	14	42	6
<b>1<sup>st</sup> Academic Year/ 2<sup>nd</sup> Semester</b>								
6	Compulsory	Business Statistics	AEF105	3	50	14	42	6
7	Compulsory	Principles of Macroeconomics	AEF115	3	50	14	42	6
8	Compulsory	Intermediate Accounting I	AEF120	3	50	14	42	6
9	Compulsory	Introduction to Managerial Accounting	AEF125	3	50	14	42	6
10	Compulsory	Tax Framework	AEF130	3	50	14	42	6
<b>2<sup>nd</sup> Academic Year /3<sup>rd</sup> Semester</b>								
11	Compulsory	Intermediate Accounting II	AEF200	3	50	14	42	6
12	Compulsory	Advanced Cost and Managerial Accounting	AEF210	3	50	14	42	6
13	Compulsory	Advanced Business Taxation	AEF215	3	50	14	42	6
14	Compulsory	Corporate and Business Law I	AEF320	3	50	14	42	6
15	Compulsory	Writing for Business Studies	ENB220	3	50	14	42	6
<b>2<sup>nd</sup> Academic Year/ 4<sup>th</sup> Semester</b>								
16	Compulsory	Introduction to Auditing	AEF205	3	50	14	42	6
17	Compulsory	Advanced Financial Reporting/Consolidations	AEF220	3	50	14	42	6
18	Compulsory	Fundamentals in Data Analytics	AEF385	3	50	14	42	6

19	Compulsory	Business Computer Applications	BUS230	3	50	14	42	6
20	Compulsory	Business Communication in English	ENB230	3	50	14	42	6
<b>3<sup>rd</sup> Academic Year/ 5<sup>th</sup> Semester</b>								
21	Compulsory	Essentials of Financial Analysis	AEF135	3	50	14	42	6
22	Compulsory	Performance Management I	AEF230	3	50	14	42	6
23	Compulsory	Advanced Financial Reporting	AEF300	3	50	14	42	6
24	Compulsory	Financial Management and Control	AEF310	3	50	14	42	6
25	Compulsory	Business Research	BUS315	3	50	14	42	6
<b>3<sup>rd</sup> Academic Year/ 6<sup>th</sup> Semester</b>								
26	Compulsory	Advanced Audit and Internal Review	AEF225	3	50	14	42	6
27	Compulsory	Performance Management II	AEF305	3	50	14	42	6
28	Compulsory	Corporate and Business Law II	AEF405	3	50	14	42	6
29	Elective	Accounting/Finance/ Business Electives	-----	3	50	14	42	6
30	Elective	Accounting/Finance/ Business Electives	-----	3	50	14	42	6
<b>4<sup>th</sup> Academic Year/7<sup>th</sup> Semester</b>								
31	Compulsory	Strategic Management	BUS400	3	50	14	42	6
32	Compulsory	Undergraduate Thesis	BUS405	3	--	--	--	12
33	Elective	Free Elective	----	3	50	14	42	6
34	Elective	Accounting/Finance/ Business Electives	----	3	50	14	42	6
<b>4<sup>th</sup> Academic Year/8<sup>th</sup> Semester</b>								
35	Elective	Accounting/Finance/ Business Electives	----	3	50	14	42	6
36	Elective	Accounting/Finance/ Business Electives	----	3	50	14	42	6
37	Elective	Accounting/Finance/ Business Electives	----	3	50	14	42	6
38	Elective	Accounting/Finance/ Business Electives	----	3	50	14	42	6
39	Elective	Accounting/Finance/ Business Electives	----	3	50	14	42	6

**\*Major Elective Courses**

Students choose eight (8) courses from the following:

CODE	NAME	ECTS
AEF302	Assurance, Risk and Reporting I	6
AEF304	Corporate Reporting, Data and Assurance I	6
AEF306	Applied Accounting and Ethical Business Practice	6
AEF308	Sustainability & Ethics	6

AEF314	Assurance, Risk and Reporting II	6
AEF316	Predictive Analytics	6
AEF318	Data Analytics for Finance and Accounting	6
AEF322	Advance Taxation I	6
AEF324	Advanced Audit and Assurance I	6
AEF326	Advanced Audit and Assurance II	6
AEF328	Strategic Business Reporting I	6
AEF332	Advance Taxation II	6
AEF334	Strategic Leadership and Corporate Governance	6
AEF335	Computer Applications in Accounting	6
AEF336	Strategic Management, Risk and Technology	6
AEF338	Strategic Business Reporting II	6
AEF344	Corporate Reporting, Data and Assurance II	6
AEF345	Tax Compliance II	6
AEF350	Investments	6
AEF355	Portfolio Management	6
AEF400	Internship	6
AEF410	Internal Audit	6
AEF430	Tax Compliance III	6
AEF455	Multinational Corporate Finance	6
AEF460	Financial Risk Management	6
AEF475	Econometrics I	6
AEF480	Econometrics II	6
BUS420	Business Simulations	6
CSE200	Data Structures & Algorithms	6
CSE332	Artificial Intelligence	6
ECE275	Foundations of AI and ML using Python	6
MAT300	Introduction to Machine Learning	6
MGT150	Organizational Behaviour	6
AEF454	Tax Fundamentals	6
AEF452	Business Law	6