

## Suggested Outline for the Execution of the Program

The University runs three semesters/terms per year. A suggested outline for the execution of the CIS program is given below

### Level 1 Term 1

Course Code	Course Title	Credit Hours
COF101	Computer Fundamentals	3
MAT101	Mathematics - I	3
ENG101	English Lanugage - I	3
CIS111	Information Systems Engineering	3
<b>Total</b>		<b>12</b>

### Level 1 Term 2

Course Code	Course Title	Credit Hours
CIS121	Fundamentals of Website Development	3
CIS121L	Fundamentals of Website Development Lab	1
CIS122	Structured Programming	3
CIS122L	Structured Programming Lab	1
ENG102	English Language- II	3
<b>Total</b>		<b>11</b>

### Level 1 Term 3

Course Code	Course Title	Credit Hours
CIS131	Discrete Mathematics	3
CIS132	Office Solutions Development	3
CIS133	Data Structure	3
CIS133L	Data Structure Lab	1
ENG134	Study and Communication Skills	3
<b>Total</b>		<b>13</b>

### Level 2 Term 1

Course Code	Course Title	Credit Hours
CIS211	Computer Networks	3
CIS211L	Computer Networks Lab	1
CIS212	Algorithms	3
CIS212L	Algorithms Lab	1
ACC213	Accounting	3
<b>Total</b>		<b>11</b>

### Level 2 Term 2

Course Code	Course Title	Credit Hours
CIS221	Object Oriented Programming	3
CIS221L	Object Oriented Programming Lab	1
BUS222	Introduction to Business	3
CIS223	Project Management Essentials	3
STA101	Statistics I	3
<b>Total</b>		<b>13</b>

### Level 2 Term 3

Course Code	Course Title	Credit Hours
CIS231	Database Management System	3
CIS231L	Database Management System Lab	1
AOL101	Art of Living	3
FIN232	Financial Management System	3
<b>Total</b>		<b>10</b>

### Level 3 Term 1

Course Code	Course Title	Credit Hours
CIS311	System Analysis and Design	3
CIS311L	System Analysis and Design Lab	1
CIS312	Computer Architecture and Organization	3
CIS313	Network Security	3
CIS313L	Network Security Lab	1
ECO314	Economics	3
<b>Total</b>		<b>14</b>

### Level 3 Term 2

Course Code	Course Title	Credit Hours
CIS321	Advanced Object Oriented Programming	3
CIS321L	Advanced Object Oriented Programming Lab	1
CIS322	Advanced Database	3
CIS322L	Advanced Database Lab	1
CIS323	Operating Systems	3
CIS323L	Operating Systems Lab	1
<b>Total</b>		<b>12</b>

### Level 3 Term 3

Course Code	Course Title	Credit Hours
CIS331	Web Engineering	3
CIS331L	Web Engineering Lab	1
CIS332	Software Engineering	3
CIS333	Agile Development	3
BNS101	Bangladesh Studies	3
<b>Total</b>		<b>13</b>

### Level 4 Term 1

Course Code	Course Title	Credit Hours
CIS411L	Accounting Information System Lab	2
CIS412	Computer Graphics	3
CIS412L	Computer Graphics Lab	1
MGT413	Industrial Management	3
CIS414	Management Support Systems	3
<b>Total</b>		<b>12</b>

### Level 4 Term 2

Course Code	Course Title	Credit Hours
EMP101	Employability 360	3
CIS421	Interaction Design	3
CISXXX	Elective I	3
CIS499	Project / Internship (Phase I)	3
<b>Total</b>		<b>12</b>

### Level 4 Term 3

Course Code	Course Title	Credit Hours
CISXXX	Elective II	3
CIS499	Project / Internship (Phase II)	6
<b>Total</b>		<b>9</b>