

B.Sc. Computer Science (Hons.) 6- semester Self Finance Course

Ananda Mohan College is a premier evening college offers 3 Year Self Finance B.Sc. Computer Science (Honours) Course that confirm to the latest requirement and CBCS (6 Semester) syllabus structured by Calcutta University. Applications are invited for 6 semesters B.Sc. Computer Sc. (Honours) Course for 2018-19 session.

- **Eligibility Criteria:** Higher Secondary (10+2) with 50% marks with Mathematics as one of subjects from Sc. Group.
- **How to Apply:** Candidates can apply online mode only.
http://cu.onlineadmission.org/ghc/admission_notification ug.aspx?clgcode=amcl
- **Career and Placement:** Program aims at providing placement opportunities for the roles of Software developer, Web Designer or to make proficient in the field of IT industry. After B.SC (CS) (H) one can aim for M.Sc. For higher study one can also try for M. Tech. through GATE or PhD through JRF. College also have a placement cell so college try for placement.
- **Fees Structure:** Annexure –A (Given Below). Students have option to pay the total amount in two instalments. Rs 15, 000 at time of Admission and rest amount before the start of 2nd Semester which will be notified later.
- **Assessment:** The performance of the students is assessed by continuous series of tests/assignments/quizzes/tutorials and presentations in addition to Mid Term & End Term Examinations to ensure highest academic standards. All examination are scheduled according to university schedule.
- **Last Date of Admission:** 16th June, 2018 . After admission document verifications have to complete according to notice of College which are provided just after admission.
- **Syllabus :**

Semester	Courses	Topics	Credit
I	CMS-A-CC-1-1-TH (Core Course-1) Theory	Digital Logic	4
	CMS-A-CC-1-1-P (Core Course-1) Practical	Digital Circuits	2
	CMS-A-CC-1-2-TH (Core Course-2) Theory	Programming Fundamentals using C	4
	CMS-A-CC-1-2-P (Core Course-2) Practical	Programming in C	2
II	CMS-A-CC-2-3-TH (Core Course – 3) Theory	Computer Organization and Architecture	4
	CMS-A-CC-2-3-P (Core Course – 3) Practical	Computer Organization Lab.	2
	CMS-A-CC-2-4-TH (Core Course – 4) Theory	Basic Electronic Devices and Circuits	4
	CMS-A-CC-2-4-P (Core Course – 4) Practical	Basic Electronic Devices and Circuits Lab	2

Semester	Courses	Topics	Credit	
III	CMS-A-CC-3-5-TH (Core Course-5) Theory	Data Structure	4	
	CMS-A-CC-3-5-P (Core Course – 5) Practical	Data Structure using C	2	
	CMS-A-CC-3-6-TH (Core Course – 6) Theory	Computational Mathematics	4	
	CMS-A-CC-3-6-P (Core Course – 6) Practical	Computational Mathematics Lab	2	
	CMS-A-CC-3-7-TH (Core Course – 7) Theory	Microprocessor and its Applications	4	
	CMS-A-CC-3-7-P (Core Course – 7) Practical	Programming Microprocessor 8085	2	
	Skill Enhancement Course, SEC-A (Candidate has to opt any one topic from the under mentioned courses)			
	CMS-A-SEC-A-3-1-TH Skill Enhancement Course, SEC-A-1	Computer Graphics	2	
	CMS-A-SEC-A-3-2-TH Skill Enhancement Course, SEC-A-2	Sensor Network and IoT	2	

Semester	Courses	Topics	Credit	
IV	CMS-A-CC-4-8-TH (Core Course – 8) Theory	Data Communication, Networking and Internet Technology	4	
	CMS-A-CC-4-8-P (Core Course – 8) Practical	Computer Networking and Web Design	2	
	CMS-A-CC-4-9-TH (Core Course – 9) Theory	Introduction to Algorithms & its Applications	4	
	CMS-A-CC-4-9-P (Core Course – 9) Practical	Algorithms Lab.	2	
	CMS-A-CC-4-10-TH (Core Course – 10) Theory	Operating Systems	4	
	CMS-A-CC-4-10-P (Core Course – 10) Practical	Operating Systems Lab. (Shell Programming)	2	
	Skill Enhancement Course, SEC-B (Candidate has to opt any one topic from the under mentioned courses)			2
	CMS-A-SEC-B-4-1-TH Skill Enhancement Course, SEC B1	Information Security	2	
	CMS-A-SEC-B-4-2-TH Skill Enhancement Course, SEC B2	E-Commerce	2	

Semester	Courses	Topics	Credit
V	CMS-A-CC-5-11-TH (Core Course – 11) Theory	Data Base Management System (DBMS)	4
	CMS-A-CC-5-11-P (Core Course – 11) Practical	RDBMS Lab using My SQL & PHP	2
	CMS-A-CC-5-12-TH (Core Course – 12) Theory	Object Oriented Programming System (OOPs)	4
	CMS-A-CC-5-12-P (Core Course – 12) Practical	OOPs Lab using Java	2
VI	CMS-A-CC-6-13-TH (Core Course – 13) Theory	Software Engineering	4
	CMS-A-CC-6-13-P (Core Course – 13) Practical	Software Engineering Lab	2
	CMS-A-CC-6-14-TH (Core Course – 14) Theory	Theory of Computation	4
	CMS-A-CC-6-14-P (Core Course – 14) Practical	PROJECT	2

Discipline Specific Elective Courses- DSE-A			
DSE-A	Candidates have to opt any one topic either from DSE-A-1 or from DSE-A-2 in Semester-V & another topic either from DSE-A-3 or from DSE-A-4 in Semester-VI from the following courses		
	CMS-A-DSE-A-1-TH Discipl.Sp.Elec.DSEA1,Theory	Digital Image Processing	4
	CMS-A-DSE-A-1-P Discipl.Sp.Elec.DSEA1, Practical.	Image Processing Lab.	2
	CMS-A-DSE-A-2-TH Discipl.Sp.Elec.DSEA2,Theory	Data Mining & its Applications	4
	CMS-A-DSE-A-2-P Discipl.Sp.Elec.DSEA2, Practical.	Data Mining Lab.	2
	CMS-A-DSE-A-3-TH Discipl.Sp.Elec.DSEA3,Theory	Embedded Systems	4
	CMS-A-DSE-A-3-P Discipl.Sp.Elec.DSEA3, Practical.	Embedded Systems Lab.	2
	CMS-A-DSE-A-4-TH Discipl.Sp.Elec.DSEA4,Theory	Multimedia and its Applications	4
CMS-A-DSE-A-4-P Discipl.Sp.Elec.DSEA4, Practical.	Multimedia and its Applications Lab.	2	
Discipline Specific Elective Courses- DSE-B			
DSE-B	Candidates have to opt any one topic either from DSE-B-1 or from DSE-B-2 in Semester-V & another topic either from DSE-B-3 or from DSE-B-4 in Semester-VI from the following courses		
	CMS-A-DSE-B-1-TH Discipl.Sp.Elec.DSE-B-1,Theory	Operation Research (O.R.)	4
	CMS-A-DSE-B-1-P Discipl.Sp.Elec.DSE-B-1, Practical.	Operation Research (O.R.) Lab. using C/ Python	2
	CMS-A-DSE-B-2-TH Discipl.Sp.Elec.DSE-B-2,Theory	Programming using Python	4
	CMS-A-DSE-B-2-P Discipl.Sp.Elec.DSE-B-2, Practical.	Programming using Python	2
	CMS-A-DSE-B-3-TH Discipl.Sp.Elec.DSE-B-3,Theory	Introduction to Computational Intelligence	4
	CMS-A-DSE-B-3-P Discipl.Sp.Elec.DSE-B-3, Practical	Computational Intelligence Laboratory	
	CMS-A-DSE-B-4-TH Discipl.Sp.Elec.DSE-B-4, Theory	Advanced Java	4
CMS-A-DSE-B-4-P Discipl.Sp.Elec.DSE-B-4, Practical	Advanced Java Laboratory	2	

Details Syllabus Link : <http://caluniv.ac.in/CBCS/UG-CompSc.pdf>

For Details Contact Person : Computer Lab (Ground Floor) or 9475177466

Annexure-A FEES TO BE PAID AT THE TIME OF TAKING ADMISSION DURING THE SESSION - 2018-2019 FOR SELF-FINANCE B.Sc.(Computer Sc. Hons.) STUDENT ONLY

SN #	Particulars	Amount
<u>A. Annual Fees (Fixed)</u>		
1	Admission Fee	600.00
2	Establishment Fee	300.00
3	Session Charge	600.00
4	C. U. Registration Fee	110.00
5	Building & Other Development Fee	500.00
6	Sports Fee(C.U.)	60.00
7	Students' Aid Fund	50.00
8	Other Fees Including Power Charges	250.00
9	Library Deposit	50.00
10	Magazine Fee	30.00
11	Examination Fee(College)	200.00
12	Students' Health Home	10.00
13	Identity Card Fee	25.00
14	Library Membership Fee	30.00
15	Students' Union Fee	200.00
16	Students' Cultural Fund	100.00
17	Academic Handbook Fee	10.00
18	Diploma Fees (C.U.)	50.00
19	Gymnasium Fee	30.00
20	SMS Charges	15.00
	Sub Total	3,220.00
<u>A1. Annual Fees (Others)</u>		
21	Excursion and Educational tour Fees	100.00
22	Laboratory Deposit	1,000.00
23	Computer laboratory charge	-
	Sub Total	1,100.00
<u>B. Regular Fees</u>		
24	Tuition Fee from June'18 to May'19	12,000.00
25	Laboratory Fee/ I. T. (Com.) (from June'18 to May.'19)	7,000.00
	Sub Total	19,000.00
	TOTAL	23,320.00

Note :

*Students coming from Other University or Board (except ISC, CBSE and NIOS) are to pay Rs. 100/- as C.U. Migration Fee.

** Student have option to pay the total amount in two instalments. Rs 15, 000 at time of Admission and rest amount before the start of 2nd Semester which will be notified later.

*** Bank Charges extra

Principal
Ananda Mohan College,
Kolkata - 9.