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| **ADAMAS UNIVERSITY**  **SCHOOL OF ENGINEERING & TECHNOLOGY**  **UG PROGRAM: Bachelor of Computer Application (BCA)**  **SEMESTER I** | | | | | | | | |
| **Sl. No** | **Type of Course** | **Course Code** | **Course Title** | **L** | **T** | **P** | **Contact**  **Hrs./Wk.** | **Credits** |
| 1 | Theory | ECS31109 | INTRODUCTION TO COMPUTER SCIENCE | 2 | 1 | 0 | 3 | 3 |
| 2 | Theory | ECS31111 | PROGRAMMING IN C | 3 | 1 | 0 | 4 | 4 |
| 3 | Theory | SGY31111 | ENVIRONMENTAL SCIENCE | 2 | 1 | 0 | 3 | 3 |
| 4 | Theory | HEN31117 | COMMUNICATION SKILLS | 2 | 1 | 0 | 3 | 3 |
| 5 | Theory | SMA31141 | MATHEMATICS I | 2 | 1 | 0 | 3 | 3 |
| 6 | Theory |  | Non Credit Course – I |  |  |  |  |  |
| 7 | Theory | ECS31211 | C PROGRAMMING LAB | 0 | 0 | 2 | 2 | 2 |
| **Total** | | | | **11** | **5** | **2** | **18** | **18** |

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| **ADAMAS UNIVERSITY**  **SCHOOL OF ENGINEERING & TECHNOLOGY**  **UG PROGRAM: Bachelor of Computer Application (BCA)**  **SEMESTER II** | | | | | | | | |
| **Sl. No** | **Type of Course** | **Course Code** | **Course Title** | **L** | **T** | **P** | **Contact**  **Hrs./Wk.** | **Credits** |
| 1 | Theory | ECS31106 | DATA STRUCTURES AND ALGORITHMS | 3 | 1 | 0 | 4 | 4 |
| 2 | Theory | ECS31108 | DATABASE MANAGEMENT SYSTEM | 2 | 1 | 0 | 3 | 3 |
| 3 | Theory | ECS31110 | OPERATING SYSTEM | 2 | 1 | 0 | 3 | 3 |
| 4 | Theory | SMA31142 | MATHEMATICS II | 3 | 1 | 0 | 4 | 4 |
| 5 | Theory | HEC31180 | MANAGERIAL ECONOMICS | 2 | 1 | 0 | 3 | 3 |
| 6 | Theory |  | Non Credit Course – II |  |  |  |  |  |
| 7 | Practical | ECS31206 | DATA STRUCTURES AND ALGORITHMS LAB | 0 | 0 | 2 | 2 | 2 |
| 8 | Practical | ECS31208 | DATABASE MANAGEMENT SYSTEM LAB | 0 | 0 | 2 | 2 | 2 |
| 9 | Practical | ECS31210 | OPERATING SYSTEM LAB | 0 | 0 | 2 | 2 | 2 |
| **Total** | | | | **12** | **5** | **6** | **23** | **23** |

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| **ADAMAS UNIVERSITY**  **SCHOOL OF ENGINEERING & TECHNOLOGY**  **UG PROGRAM: Bachelor of Computer Application (BCA)**  **SEMESTER III** | | | | | | | | |
| **Sl. No** | **Type of Course** | **Course Code** | **Course Title** | **L** | **T** | **P** | **Contact**  **Hrs./Wk.** | **Credits** |
| 1 | Theory | SMA42144 | Probability & Statistics | 3 | 1 | 0 | 4 | 4 |
| 2 | Theory | MBA32141 | E Commerce & Applications | 3 | 0 | 0 | 3 | 3 |
| 3 | Theory | EEC32101 | Data Communication & Computer Network | 3 | 0 | 0 | 3 | 3 |
| 4 | Theory | ECS32103 | Object Oriented Programming | 3 | 0 | 0 | 3 | 3 |
| 5 | Theory | HEN42111 | HSS III (English Communication) | 3 | 0 | 0 | 3 | 3 |
| 6 | Theory |  | Non Credit Course –III |  |  |  |  |  |
| 7 | Practical | ECS32201 | Computer Networks Lab | 0 | 0 | 3 | 3 | 2 |
| 8 | Practical | ECS32203 | Object Oriented Programming Lab | 0 | 0 | 3 | 3 | 2 |
| **Total** | | | | **15** | **1** | **6** | **22** | **20** |

**Total Credits (First Year): 41**

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| **ADAMAS UNIVERSITY**  **SCHOOL OF ENGINEERING & TECHNOLOGY**  **UG PROGRAM: Bachelor of Computer Application (BCA)**  **SEMESTER IV** | | | | | | | | |
| **Sl. No** | **Type of Course** | **Course Code** | **Course Title** | **L** | **T** | **P** | **Contact**  **Hrs./Wk.** | **Credits** |
| 1 | Theory | ECS32102 | Computer Organization & Architecture | 3 | 1 | 0 | 4 | 4 |
| 2 | Theory | ECS32104 | Computer Graphics | 3 | 0 | 0 | 3 | 3 |
| 3 | Theory | ECS32106 | Web Designing | 3 | 0 | 0 | 3 | 3 |
| 4 | Theory | ECS32108 | Scripting Language | 3 | 0 | 0 | 3 | 3 |
| 5 | Theory | HEC42180 | HSS IV (Economics For Engineers) | 3 | 0 | 0 | 3 | 3 |
| 6 | Theory |  | Non Credit Course –IV |  |  |  |  |  |
| 7 | Practical | ECS32206 | Web Designing Lab | 0 | 0 | 3 | 3 | 2 |
| 8 | Practical | ECS32208 | Scripting Language Lab | 0 | 0 | 3 | 3 | 2 |
| **Total** | | | | **15** | **1** | **6** | **22** | **20** |

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**Summer / Industrial Training: 2**

**Total Credits (Second Year): 40**

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| **ADAMAS UNIVERSITY**  **SCHOOL OF ENGINEERING & TECHNOLOGY**  **UG PROGRAM: Bachelor of Computer Application (BCA)**  **SEMESTER V** | | | | | | | | |
| **SL. No** | **Type of Course** | **Course Code** | **Course Title / Project** | **L** | **T** | **P** | **Contact**  **Hrs./Wk.** | **Credits** |
| 1 | Theory | EEC33101 | Mobile Computing | 3 | 0 | 0 | 3 | 3 |
| 2 | Theory | ECS33101 | Design and Analysis of Algorithm | 3 | 0 | 0 | 3 | 3 |
| 3 | Theory | ECS33103 | Programming Paradigm | 3 | 0 | 0 | 3 | 3 |
| 4 | Theory | MBA33141 | Management Information System | 3 | 0 | 0 | 3 | 3 |
| 5 | Theory | HEC43181 | HSS V (Financial Accounting) | 3 | 0 | 0 | 3 | 3 |
| 6 | Seminar | ECS33301 | Seminar | 0 | 2 | 0 | 2 | 2 |
| 7 | Project | ECS33401 | Project – I | 0 | 0 | 6 | 6 | 4 |
| 8 | Practical | EEC33201 | Mobile Computing Lab | 0 | 0 | 3 | 3 | 2 |
| 9 | Practical | ECS33203 | Programming Paradigm Lab | 0 | 0 | 3 | 3 | 2 |
| **Total** | | | | **15** | **2** | **12** | **29** | **25** |

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| **ADAMAS UNIVERSITY**  **SCHOOL OF ENGINEERING & TECHNOLOGY**  **UG PROGRAM: Bachelor of Computer Application (BCA)**  **SEMESTER VI** | | | | | | | | |
| **SL. No** | **Type of Course** | **Course Code** | **Course Title / Project / Viva** | **L** | **T** | **P** | **Contact**  **Hrs./Wk.** | **Credits** |
| 1 | Theory | ECS33102 | Introduction to Artificial Intelligence | 3 | 0 | 0 | 3 | 3 |
| 2 | Theory | HPS44101 | HSS-VI (Basics of Organizational Behaviors) | 3 | 0 | 0 | 3 | 3 |
| 3 | Project | ECS33402 | Project – II | 0 | 0 | 12 | 12 | 8 |
| 4 | Viva | ECS33502 | Comprehensive Viva | 0 | 0 | 0 | 0 | 4 |
| **Total** | | | | **6** | **0** | **12** | **18** | **18** |

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**HSS-II, IV and VI: From a list of Language related topics**

**HSS-I, III and V: From a list of Economics and Finance related topics**

**Total Credits (Third Year): 43**

**Total Credits (Over ThreeYears): 124**