



PERDANA COLLEGE OF MALAYSIA, DHAKA

COMPUTER SCIENCE

2 + 2 (Canadian) ; 2+1 (UK) ; 2+1.5 (Australian) Programs

- Business Information Processing □ Computer System Software □ E-Commerce
- Information Technology (Australia) □ Applied Computing (UK) □ Business Systems & IT (UK)

Perdana College of Malaysia makes available a flexible pathway for students to pursue the ever popular Computer Science degree through its advance standing arrangements with a number of overseas universities in Australia, Canada and UK. Admissions into some of these universities are guaranteed as long as students meet the academic requirements. Students can complete the first two years of the course with us before transferring their credits to these universities to obtain the degree from. Since 1996, Perdana students have been admitted into the following universities. The list continues to grow.

Australia:	Curtin University of Technology*, La Trobe University, University of Southern Queensland, U of Wollongong
Canada:	Acadia University*, Algoma University College*, Lethbridge University, University of Winnipeg*, University of Manitoba, University of Waterloo, Memorial University of Newfoundland, Carleton University, University of Saskatchewan, University of Toronto, University of Windsor, York University
U.K.:	Northumbria University (UNN)*, University of Derby*, University of Herfordshire, University of Luton

** Indicates the universities with special transfer arrangement with Perdana or UCSI*

THE PROGRAM

It provides in-depth learning of modern software design and implementation, and the study of computer systems hardware. The core curriculum emphasizes on object-oriented programming, analysis and design, networking and communication, database management system, computer systems, graphics, compiler, operating systems, artificial intelligence, and other latest information technology. You can also specialize in E-Commerce through Acadia University. Students are well prepared to become professional computer scientists. Our students work in renowned companies such as IBM and EDS.

The program is balanced with some courses from fields such as accounting, economics, management, liberal arts and human communication.

PROGRAM OUTLINE

Year 1 / 2 [Perdana College of Malaysia, Dhaka] [20 subjects]

Core Courses

Computer Computing/Java	Advanced Programming/Java	Digital Logic Systems
Database Management Systems I	Discrete Mathematics I & II	Linear Algebra;
Algorithms & Data Structures I	Applied Calculus I & II	Systems Programming
Data Communication & Networking	Systems Analysis & Design	Programming Language
Software Engineering I	Applied Statistics I	Computer Architecture
Numerical Analysis & Computation	Business & Technical Communication	

Electives [Choose one]

Object-Oriented Programming/C++	Applied Web Technology	Object-Oriented Modeling
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Electives: Humanities / (Canadian Track – choose two)

Microeconomics/Macroeconomics	Psychology / Sociology
Principles of Marketing / Accounting	Management & Organization Theory

**For UNN program, choose any three from both groups of electives.*

Year 3 / 4 [Acadia, Algoma, UNN, Curtin]

Advanced Computer Architecture	Analysis of Algorithms	Project Management
Distributed Computer Networks	Operating Systems I & II	Artificial Intelligence
Managing E-Commerce Knowledge	System Project or Thesis	Software Engineering
Automata & Formal Languages	Software Engineering I-III	Translator I & II; Mobile computing
Advanced Graphics & Visualization	E-Commerce Security	
Programmable Logic	Simulation; Computer Graphics	



Students with the following qualifications may be admitted:

1. 'A' Level, HSC, ISC or Equivalent

- (a) HSC/ISC (Minimum 2nd Division) with good passes in Physics, Mathematics and English or
- (b) 2 principals from 'A' Level and 3 credits from 'O' Level (including Physics and Mathematics) or
- (c) 3 principals from 'A' Level and 2 credits from 'O' level (including Physics and Mathematics)

Students who are deficient in Mathematics and English will have to go through some remedial courses (such as English, Electronics, Calculus and Algebra & Trigonometry) before they can be admitted into First Year of the program. To be eligible for Australian programs, students must have Div 1 qualification.

2. 'O' Level, SSC, ICSE or Equivalent

Students should have acquired at least 5 'O' Level credits, 1st Division, or GPA > 3 (including Physics, Mathematics and English). Students in this category are required to undergo a minimum 3 semesters of the Pre-University Program before they can be admitted into the Program. (Applicable for UK / Canadian programs.)

3. Degree, NCC Diploma, C&G Diploma and Transfer Students

Exemptions from certain subjects may be granted to degree or diploma holders on case-by-case basis. For students intending to transfer credits from other institutions, contact the VP of Academic Affairs.

ADMISSION PROCEDURES

- Contact the College for an Application Form;
- Submit the Application Form together with 4 passport-size photographs and attested copies of your academic certificates;
- Appear in person for the Assessment Test
- Collect the Letter of Acceptance from the College;
- Paid up the Admission Fee.



SESSIONAL INTAKE

- There are three intakes per year. Students can apply during any of these intakes. New semester begins every January, May and September.
- **Assessment Tests** for the admission are conducted one month before the semester begins, during the months of **April, August and December**.

Pre-University Program (minimum 3 Semesters)

Differential & Integral Calculus	Computer for End Users	Probability & Statistics	Business
Basics of Electronics & Circuits	Algebra and Trigonometry	Information Technology	Economics

SCHOLARSHIPS AND AWARDS

Perdana College offers several scholarships to meritorious students each year. The scholarship covers the tuition fee for the students during the duration of their studies in Perdana. Please inquire from the Admissions Office.

Academic Awards are given to any students who achieve commendable grade point average (GPA) for each semester. There is no limit to the number of students who can earn this award.

ESTIMATED EXPENSES

TOTAL TUITION

a) Perdana Credit Subjects:	20 subjects	= Tk 210,000	
b) Overseas Tuition Fees:			
Tuition Fee per year (Acadia)	C\$ 13,300 * 2	= Tk 1,460,000	Tk 16.7 lakhs
Tuition Fee per Year (Algoma)	C\$ 9,900 * 2	= Tk 1,090,000	Tk 13.0 lakhs
Tuition Fee per Year (Curtin)	A\$ 13,500 * 1.5	= Tk 990,000	Tk 12.0 lakhs
Tuition Fee per Year (UNN)	£ 7,300 * 1	= Tk 830,000	Tk 10.4 lakhs
c) Other Fees Payable (In Perdana)			
• Registration Fee & Deposit	Tk 26,000	• Computer Lab per Semester	Tk 3,000
d) Living Expenses (per Year):			
	Canada (Tk 4 lakhs)	Australia (Tk 3.5 lakhs)	
	U.K. (Tk 4.5 lakhs)	Malaysia (Tk 1 lakh)	

*Note: i. The fees are subject to change in the currency exchange rate and to the increase in institutional fee.
ii. Extra fees may be incurred in case of failure or when bridging courses are required.*



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