



DIRECTORATE OF DISTANCE & ONLINE EDUCATION

UG DIPLOMA IN BASIC SCIENCE (PCB)

COURSE BROCHURE
2026-27

NAAC
GRADE **A+**

INTRODUCTION

We offer an online Diploma in Basic Science (PCB) that covers the topics of Mechanics, inorganic chemistry, microbiology, and access to physics, chemistry, and botany labs. The course curriculum modules are designed with fundamentals of English communication, computer applications, and creative writing to enhance persuasive communication. Topics on electricity and magnetism, organic chemistry, and plant architecture highlight the conceptual understanding of science in our everyday life.

MISSION:

- ◆ To motivate students to choose the career paths in modern healthcare and research industries, such as medical lab technicians, clinical researchers, pharmacists, and various other job roles, along with an understanding of office automation tools to enhance workplace efficiency and productivity.
- ◆ To encourage learners to access Physics, Chemistry, and Botany concepts with the added advantage of learning communication skills and logical reasoning.

OBJECTIVES:

- ◆ To enhance students' understanding of the composition of matter and the science principles applied to develop new materials, medicines, and technologies.
- ◆ To encourage students to understand the difference between organic and synthetic molecules and to participate in the production of medicinal drugs.

INSTRUCTIONAL DESIGN

The program is divided into 2 semesters and minimum credit requirement is 44 to get UG Diploma in Basic Science (PCB) through OL mode from Mangalayatan University. Minimum time period for acquiring UG Diploma in Basic Science (PCB) will be one year and maximum time (extended) period is two years.

SEMESTER - I				
S.No.	Course Code	Course Theory	Credit	Subject Total
1	PHB-1111	Mechanics and Wave Motion	4	100
2	CHB-1111	Fundamentals of Inorganic Chemistry	4	100
3	BOB-1111	Microbiology and Plant Pathology	4	100
4	PHB-1151	Physics Lab - I	2	100
5	CHB-1151	Chemistry Lab I	2	100
6	BOB-1151	Botany Lab I	2	100
7	MMB-1201	Fundamentals of computer system and office automation	2	100
8	ENB-1101	English Communication	2	100
TOTAL			22	800

SEMESTER - II				
S.No.	Course Code	Course Theory	Credit	Subject Total
1	PHB-1211	Electricity and Magnetism	4	100
2	CHB-1211	Organic Chemistry	4	100
3	BOB-1211	Archegonates and Plant Architecture	4	100
4	PHB-1251	Physics Lab II	2	100
5	CHB-1251	Chemistry Lab II	2	100
6	BOB-1251	Botany Lab II	2	100
7	MMB-1201	Logical Reasoning	2	100
8	ENB-1201	Creative Writing	2	100
TOTAL			22	800

SYLLABI AND COURSE MATERIALS

Syllabi, PPR and self-learning materials are developed mostly by experienced faculty members of Mangalayatan University in consultation with contents experts and the same will be forwarded to CIQA and Board of Studies/Academic Council/ Executive Council for further suggestions and approval.

STUDY MATERIAL

The study material in digital format (e – content) of the programme shall be supplied to the students unit - wise for every course.

VIDEO LECTURES

The Video lectures as prescribed by the UGC Regulation shall be made available on the LMS portal of the University.

ONLINE COUNSELLING SESSIONS

The online counselling sessions shall be scheduled beforehand by the Subject Coordinator and informed to the learners.

There shall be 6 online counselling sessions / contact classes of 1 hours each for a 4 credit course, held on Saturdays and Sundays. In case of 2 credits course there shall be 4 sessions of 1 hours each and in case of 6 credits course there shall be 8 sessions of 1 hours each.

MEDIUM OF INSTRUCTION

Medium of Course Instruction:	English
Medium of Examination:	English

STUDENT SUPPORT SYSTEMS

The university will appoint programme coordinators, course coordinator and course mentors to facilitate the learners in their learning.

Finally, The university has made appropriate arrangements for various support services including online counselling and resource-oriented-services, evaluation methods for both on and off line modes for easy and smooth services to the students' through online mode.

PROCEDURE FOR ADMISSIONS, CURRICULUM, TRANSACTION AND EVALUATION

FEE STRUCTURE							
Name of the Program	Degree	Duration	One Time Reg. Fee	Semester Fee	Exam Fee Per Semester	Full Year Fee	Total Fees
UG Diploma in Basic Science (PCB)	UG	1 Years	1000	9000	1000	20000	21000
Total							21000

ACTIVITY SCHEDULE					
S.NO.	Name of the Activity	Tentative months schedule (specify months) during year			
		From(Month)	To (Month)	From(Month)	To (Month)
1	Admission	Jul	Sep	Jan	Mar
2	Assignment submission (if any)	Sep	Oct	Mar	Apr
3	Evaluation of Assignment	Oct	Nov	Apr	May
4	Examination	Dec	Dec	Jun	Jun
5	Declaration of Result	Jan	Jan	Jul	Jul
6	Re-registration	Jul	Jul	Jan	Jan
7	Distribution of SLM	Jul	Sep	Jan	Mar
8	Contact Programmes (counselling, Practicals.etc.)	Sep	Nov	Mar	May

* These dates are tentative. Final dates will be informed well in advance on your LMS.

CREDIT SYSTEM

Duration of the Programme	Credits	Name of the Programme	Level of the Programme
1 year	44	UG Diploma in Basic Science (PCB)	Diploma

WHY ONLINE EDUCATION?

- ◆ Comfortable and Flexible
- ◆ Convenience of attending classes from home
- ◆ Cost Effective
- ◆ Time saving
- ◆ No commuting
- ◆ Monetary benefits- No textbooks required
- ◆ Repeated access to the same lecture
- ◆ Study anytime, anywhere
- ◆ Write proctored exam from home

ADMISSION PROCESS

- ◆ Register with Mangalayatan Online Programs
- ◆ Pay Registration fees through our available payment gateways
- ◆ Upload relevant documents and mark sheets
- ◆ Get provisional admission
- ◆ Pay semester fees
- ◆ Get admission confirmation from University
- ◆ Roll number allotted to every student
- ◆ LMS id and password creation.



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ONLINE

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