

INDIRA GANDHI NATIONAL OPEN UNIVERSITY
Planning & Development Division

IG/P&DD/ODL/Launch/2023/618

August 01, 2023

Programme Launch Notification No.120
Bachelor of Science (Applied Skills)
(BSCAS)

With the approval of the Competent Authority, the programme Bachelor of Science (Applied Skills) (BSCAS) will be offered through ODL Mode from July 2023 Session.

The details of the Programme are as under:

Code: BSCAS

Eligibility: 10+2 (Senior Secondary) in Science stream from recognized Board or equivalent

Medium of Instruction: English and Hindi

Duration: Minimum 03 years; Maximum 06 years

Fee Structure: ₹ 5700/- per year; Total ₹ 17100/-

Programme Details: Total Credits: 120 (60 credits IGNOU component) + 60 Credits (Skill component from Defense forces)

Examination mode: Annual

Study Materials: Print and Digital (both)

Expected Enrolment: 5000-7000 students

DISCIPLINE SPECIFIC COURSES (DSC)

(Any two disciplines to be selected and 4 courses to be selected from each selected discipline as per Table 1)

Chemistry

Course Code	Title of the Course	No. of Credits	Remarks
BCHCT-131	Atomic Structure, Bonding, General Organic Chemistry and Aliphatic Hydrocarbons	04	To be taken together
BCHCL-132	Atomic Structure, Bonding, General Organic Chemistry and Aliphatic Hydrocarbons: Laboratory	02	
BCHCT-133	Chemical Energetics, Equilibria and Functional Group Organic Chemistry-I	04	To be taken together
BCHCL-134	Chemical Energetics, Equilibria and Functional Group Organic Chemistry-I: Laboratory	02	

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Course Code	Title of the Course	No. of Credits	Remarks
BCHCT-135	Solutions, Phase equilibrium, Conductance, Electro chemistry and Functional Group Organic Chemistry-II	04	To be taken together
BCHCL-136	Solutions, Phase equilibrium, Conductance, Electro chemistry and Functional Group Organic Chemistry-II: Laboratory	02	
BCHCT-137	Coordination Chemistry, States of Matter and Chemical Kinetics	04	To be taken together
BCHCL-138	Coordination Chemistry, States of Matter and Chemical Kinetics: Laboratory	02	

Geography

Course Code	Title of the Course	No. of Credits	Remarks
BGGCT-131	Physical Geography	06	
BGGCT-132	Human Geography	06	
BGGCT-133	General Cartography	04	To be taken together
BGGCL-134	General Cartography: Laboratory	02	
BGGCT-135	Environmental Geography	06	

Mathematics

Course Code	Title of the Course	No. of Credits	Remarks
BMTC-131	Calculus	06	
BMTC-132	Differential Equations	06	
BMTC-133	Real Analysis	06	
BMTC-134	Algebra	06	

Physics

Course Code	Title of the Course	No. of Credits	Remarks
BPHCT-131	Mechanics	04	To be taken together
BPHCL-132	Mechanics: Laboratory	02	
BPHCT-133	Electricity and Magnetism	04	To be taken together
BPHCL-134	Electricity and Magnetism: Laboratory	02	
BPHCT-135	Thermal Physics and Statistical Mechanics	04	To be taken together

Course Code	Title of the Course	No. of Credits	Remarks
BPHCL-136	Thermal Physics and Statistical Mechanics: Laboratory	02	
BPHCT-137	Wave and Optics	04	To be taken together
BPHCL-138	Wave and Optics: Laboratory	02	

ABILITY ENHANCEMENT COMPULSORY COURSES (AECC)
(One course to be selected in 1st Semester and one course to be selected in 2nd semester)

Course Code	Title of the Course	No. of Credits
BEVAE-181	Environmental Studies	4
BEGAE-182	English Communication Skills	4
BHDAE-182	हिंदी भाषा और सम्प्रेषण	4

SKILL ENHANCEMENT COURSES (SEC)
(One course to be selected in 3rd semester)

Course Code	Title of the Course	No. of Credits
BCOS-183	Computer Applications in Business	4
BCOS-184	E-Commerce	4
BTMS-185	Airport Handling	4
BEGS-186	Business Communication	4

BSB	Skill Component from Defense forces	60 credits
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Table 1: Programme Structure

Semester	Theory / Core courses, Ability Enhancement Course (AECC) and Skill enhancement courses offered by IGNOU	Skill Courses of Defence Services approved by NCVET	Credits
1.	DSC-1A (6 credits) AECC-1(4 credits)	Credit Transfer – 10 credits	20
2.	DSC-2A (6 Credits) AECC-2 (4 Credit)	Credit Transfer – 10 credits	20
3.	DSC-1B (6 Credits) SEC-1 (4 Credits)	Credit Transfer – 10 credits	20
4.	DSC-2B (6 Credits)	Credit Transfer – 14 credits	20
5.	DSC-1C (6 Credits) DSC-2C (6 credits)	Credit Transfer – 08 credits	20
6.	DSC-1D (6 credits) DSC-2D (6 credits)	Credit Transfer – 08 credits	20
	60 Credits	CT-60 Credits	120

Details of Approval in the Academic Council/APC: Approved in the 67th APC meeting, held on 1st June, 2023.

Skill Based Bachelor Degree for Agniveers scheme reported in the 79th Meeting of Academic Council.

Contact Details of Programme Coordinators:

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To
Directors of Schools, Head of Divisions
AR, VCO & PS to all PVCs

Neeti Agrawal
9/6/23

(Prof. Neeti Agrawal)
Director, P&DD
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