

**Scheme of Studies of Four-Years BS Degree Program in Biological Sciences  
as per HEC Undergraduate Education Policy 2020**

Semester	Course Code	Course Title	Credit Hours	Course Type
1 <sup>st</sup>	EW-301	English composition and comprehension (Eng-I)	3(3-0)	Expository Writing
	CV-301	Islamic Studies/Ethics	3(3-0)	Civilizational Studies
	QR-301	Basic Mathematics	3(3-0)	Quantitative Reasoning
	PSCI-301	Introduction to Poultry Science (Disciplinary)	3(2-1)	Minor
	PSCI-302	Poultry Hygiene and Diseases Prevention (Disciplinary)	3(2-1)	Major
<b>Total Credit Hours</b>			<b>15</b>	
2 <sup>nd</sup>	EW-302	Communication and presentation skills (Eng-II)	3(3-0)	Expository Writing
	CV-302	Pakistan Studies	3(3-0)	Civilizational Studies
	NS-309	Introductory Biochemistry	3(2-1)	Natural Sciences
	SS-303	Human Psychology	3(2-1)	Social Sciences
	PSCI-351	Introduction to Poultry Parasitology (Disciplinary)	3(2-1)	Minor
	PSCI-352	Fundamentals of Poultry Nutrition (Disciplinary)	3(2-1)	Major
<b>Total Credit Hours</b>			<b>18</b>	
3 <sup>rd</sup>	EW-303	Technical Report Writing (Eng-III)	3(3-0)	Expository writing
	QR-302	Introduction to Information & Communication Technology	3(2-1)	Quantitative Reasoning
	NS-310	Introduction to Environmental Sciences	3(2-1)	Natural Sciences
	AH-301/ AH-310	Aesthetic studies/ Basic Chinese Language	3(2-1)	Arts and Humanities
	PSCI-401	Fundamentals of Microbiology (Disciplinary)	3(2-1)	Major
<b>Total Credit Hours</b>			<b>15</b>	
4 <sup>th</sup>	SS-000	Marketing	3(2-1)	Social Sciences
	PSCI-451	Broiler Production and Management (Disciplinary)	3(2-1)	Major
	Biotech-554	Research Methodology and skill enhancement	3(3-0)	Major
	AH-302/ AH-310	Introduction to Philosophy/ Chinese Language and society	3(3-0)	Arts and humanities
	PSCI-452	Poultry Pathology (Disciplinary)	3(2-1)	Major
<b>Total</b>			<b>15</b>	

5 <sup>th</sup>	PSCI-501	Infectious diseases of poultry and their	3(2-1)	Major
	PSCI-502	Layer Production and Management	4(1-3)	Major
	PSCI-503	General Principles of Avian Physiology	3(2-1)	Major
	PSCI-504	Avian Anatomy and Histology	4(3-1)	Major
	PSCI-505	Avian Embryology	3(2-1)	Major
		<b>Total</b>	<b>17</b>	Major
6 <sup>th</sup>	PSCI-551	Poultry Health Management	3(2-1)	Major
	PSCI-552	Nutrition of Laying Birds	3(2-1)	Major
	PSCI-553	Poultry Housing and Environmental	3(2-1)	Major
	PSCI-554	Management of Parent Flocks	3(1-2)	Major
	PSCI-555	Feed Formulation and Processing	3(1-2)	Major
		<b>Total</b>	<b>15</b>	Major
7 <sup>th</sup>	PSCI-601	Incubation Principles and Hatchery	4(2-2)	Major
	BIOS-605	Introduction to Epidemiology	3(2-1)	Major
	PSCI-603	Quality Control Management in Poultry	3(2-1)	Major
	PSCI-604	Poultry Marketing and Risk Management	3(3-0)	Major
	PSCI-605	Further Poultry Processing	2(1-1)	Major
	PSCI-606	Biosafety and Biosecurity	3(2-1)	Major
		<b>Total</b>	<b>18</b>	Major
8 <sup>th</sup>	PSCI-653	Game Bird Production	4(2-2)	Major
	PSCI-654	Project Report + Seminar	6(5-1)	Major
		<b>Total</b>	<b>10</b>	
		<b>Grand Total</b>	<b>123</b>	

**Two Year Associate Degree Program in Poultry Science**  
**Abdul Wali Khan University Mardan**  
**(Undergraduate Education Policy-2020 Higher Education Commission Pakistan)**

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	CV-301	Islamic Studies/Ethics	3(3-0)	Civilizational Studies
	QR-301	Basic Mathematics	3(3-0)	Quantitative Reasoning
	PSCI-301	Introduction to Poultry Science (Disciplinary)	3(2-1)	Minor
	PSCI-302	Poultry Hygiene and Diseases Prevention (Disciplinary)	3(2-1)	Major
<b>Total Credit Hours</b>			<b>15</b>	
2 <sup>nd</sup>	EW-302	Communication and presentation skills (Eng-II)	3(3-0)	Expository Writing
	CV-302	Pakistan Studies	3(3-0)	Civilizational Studies
	NS-309	Introductory Biochemistry	3(2-1)	Natural Sciences
	SS-303	Human Psychology	3(2-1)	Social Sciences
	PSCI-351	Introduction to Poultry Parasitology (Disciplinary)	3(2-1)	Minor
	PSCI-352	Fundamentals of Poultry Nutrition (Disciplinary)	3(2-1)	Major
<b>Total Credit Hours</b>			<b>18</b>	
3 <sup>rd</sup>	EW-303	Technical Report Writing (Eng-III)	3(3-0)	Expository writing
	QR-302	Introduction to Information & Communication Technology	3(2-1)	Quantitative Reasoning
	NS-310	Introduction to Environmental Sciences	3(2-1)	Natural Sciences
	AH-301/ AH-310	Aesthetic studies/ Basic Chinese Language	3(2-1)	Arts and Humanities
	PSCI-401	Fundamentals of Microbiology (Disciplinary)	3(2-1)	Major
<b>Total Credit Hours</b>			<b>15</b>	
4 <sup>th</sup>	SS-000	Marketing	3(2-1)	Social Sciences
	PSCI-451	Broiler Production and Management (Disciplinary)	3(2-1)	Major
	Biotech-554	Research Methodology and skill enhancement	3(3-0)	Major
	AH-302/ AH-310	Introduction to Philosophy/ Chinese Language and society	3(3-0)	Arts and humanities
	PSCI-452	Poultry Pathology (Disciplinary)	3(2-1)	Major
<b>Total Credit Hours</b>			<b>15</b>	
<b>Cumulative Total</b>			<b>63</b>	

## Bridging Semester Poultry Sciences

Semester	Course Code	Course Title	Credit Hours	Course Type
Bridging semester	PSCI-301	Introduction to Poultry Science (Disciplinary)	3(2-1)	Minor
	PSCI -302	Poultry Hygiene and Diseases Prevention (Disciplinary)	3(2-1)	Major
	PSCI-351	Introduction to Poultry Parasitology (Disciplinary)	3(2-1)	Minor
	PSCI-352	Fundamentals of Poultry Nutrition (Disciplinary)	3(2-1)	Major
	PSCI-401	Fundamentals of Microbiology (Disciplinary)	3(2-1)	Major
	PSCI-451	Broiler Production and Management (Disciplinary)	3(2-1)	Major
	PSCI-452	Poultry Pathology (Disciplinary)	3(2-1)	Major
	<b>Total Credit Hours</b>		<b>21</b>	