

Semester-Wise Course Details of Polytechnic Agril. Engg.

<u>Semester I</u>			<u>Semester II</u>		
Course Code	Course Title	Credits (T+P=T)	Course Code	Course Title	Credits (T+P=T)
HBS-1.1.1	English	1+1*=02	HBS-1.2.1	Communication Skills	2+0=02
HBS-1.1.2	Applied Mathematics	4+0=04	HBS-1.2.2	Engineering Mathematics - I	2+1*=03
HBS-1.1.3	Applied Physics	2+1=03	HBS-1.2.3	Engineering Chemistry	2+1=03
HBS-1.1.4	Applied Chemistry	1+1=02	HBS-1.2.4	Engineering Physics	2+1=03
AGS-1.1.5	Soil Science & Agriculture For Engineers	2+1=03	SWE-1.2.5	Surveying and Leveling	1+2=03
FMP-1.1.6	Workshop Technology and Practice	1+2=03	FMP-1.2.6	Engineering Mechanics	2+1=03
FMP-1.1.7	Engineering Drawing	0+2=02	REE-1.2.7	Basics of Electrical Engineering and Electric circuits	3+1=04
PE-1.1.8	NSS/NCC/Phy. Edu. (Non-Credit)	0+1 [#] =01	PE-1.2.8	NSS/NCC/Phy. Edu. (Non-Credit)	0+1 [#] =01
Total Credits		11+8=19	Total Credits		14+7=21

<u>Semester III</u>			<u>Semester IV</u>		
Course Code	Course Title	Credits (T+P=T)	Course Code	Course Title	Credits (T+P=T)
HBS-2.1.1	Engineering Mathematics - II	2+1*=03	HBS -2.2.1	Environmental Science & Disaster Management	2+1=03
HBS -2.1.2	Introduction to computer Web Designing and Internet Applications	1+1=02	SWE-2.2.2	Strength of Materials	1+1=02
SWE -2.1.3	Fluid Mechanics and Open Channel Hydraulics	2+1=03	SWE-2.2.3	Irrigation Technology	2+1=03
SWE -2.1.4	Hydrology & Soil and Water Conservation Engg.	2+1=03	SWE-2.2.4	Ground Water and Drainage Engineering	2+1=03
FMP -2.1.5	Thermodynamics, Refrigeration and Air Conditioning	2+1=03	FMP-2.2.5	Theory of Machines	2+0=02
FMP -2.1.6	Farm Power Engineering	2+1=03	FMP-2.2.6	Farm Machinery and Implements	2+1=03
FMP-2.1.7	Heat and Mass Transfer	2+0=02	PFE-2.2.7	Post Harvest Technology	2+1=03
PE-2.1.8	NSS/NCC/Phy. Edu. (Non-Credit)	0+1 [#] =01	REE-2.2.8	Non Conventional Energy Sources	2+1=03
STD-2.1.9	**Skill Development Training-I (Non-Credit)		PE-2.2.9	NSS/NCC/Phy. Edu. (Non-Credit)	0+1 [#] =01
Total Credits		13+6=19	Total Credits		15+7=22

<u>Semester V</u>				<u>Semester VI</u>		
Course Code	Course Title	Credits (T+P=T)		Course Code	Course Title	Credits (T+P=T)
HBS-3.1.1	Entrepreneurship Development & Business Management	2+1=03		ITP-3.2.1	Industrial Training cum Project Work	0+18=18
SWE -3.1.2	Watershed Management	2+1=03		ST-3.2.2	***Study tour (Non-Credit)	
FMP-3.1.3	Farm Tractor Systems and Controls	2+1=03		Total Credits		18
PFE -3.1.4	Agricultural Process Engineering	2+1=03		Grand Total		120
PFE -3.1.5	Agricultural Structures	2+1=03				
	Elective - I	2+1=03				
	Elective - II	2+1=03				
STD-3.1.14	**Skill Development Training –II (Non-Credit)					
Total Credits		15+8=23				