

**Guidance Curriculum for master in pharmaceutical sciences program – Plan (5)  
Comprehensive Track**

**First Academic year**

**First semester**

Course No.	Course Name	Credit hours	Type of learning
1101718	Advanced pharmaceutical organic chemistry	3	online
1101702	Pharmaceutical technology	3	online
	Elective course	3	Blended
Total		9	

**Second semester**

Course No.	Course Name	Credit hours	Type of learning
1101701	Drug analysis and identification	3	Direct
1101704	Physical pharmacy	2	Direct
	Elective course	3	Blended
Total		8	

**Second Academic year**

**First semester**

Course No.	Course Name	Credit hours	Type of learning
1101719	Pharmaceutical Biostatistics	3	Direct
1101703	Research methodology	1	Direct
	Elective course	3	Blended
Total		7	

**Second semester**

Course No.	Course Name	Credit hours	Type of learning
1101707	Research projects in pharmaceutical sciences	1	Blended
1101722	Applied biopharmaceutics& pharmacokinetic	2	Direct
1101709	Pharmaceutical biotechnology	3	Direct
1101710	Phytotherapy	3	Direct
Total		9	

**Summer semester**

Course No.	Course Name	Credit hours	Type of learning
1101798	Comprehensive exam	0	Direct
Total		0	