Biomedical Laboratory Science		extent of credits	**Natural scientific and medical competence**	**The pre-analytical phase of the laboratory test process**	**The analytical phase of the laboratory test process**	**The post-analytical phase of the laboratory test process**	**Client service and couseling competence**	**Quality, security and risk management competence**	**work**	**Research, development and managerial competence**		**Learning to learn**	**Ethics**	**Operating in a workplace**	**Proactive development**	**Internationality and multiculturalism**	**Sustainable development**
Biomedical Laboratory Scientist identifying clinical laboratory work related competence	Learning Skills and Introduction to Studying	5							x	x		x	x				
	Anatomy, Physiology and Pathophysiology	5	x														
	Clinical Treatment in Clinical Laboratory Work	5		x			x		x				x				
	Client Service and Counseling	5		x			x	x	x				x	x		x	
	Preanalytics	10		x		x	x	x	x				x			x	
	Methods in Laboratory Work	5	x					x									x
	Mathematics and Physics	5	x					x		x							
	Point-of –Care Testing and Health Technology	5		x	x	x	x	x	x	x			x				
	Chemistry	5	x														
	Work Placement at Health Care Laboratories I	5		x	x	x	x	x	x			x		x		x	x
	Immunology	5	x		x	x		x									
	In total	**60**															
Biomedical Laboratory Scientist as an actor in Clinical Laboratory Work	Blood banking	5		x	x	x	x	x	x								
	Cell biology	5	x		x	x		x									
	Clinical Biochemistry	5	x														
	Molecular genetic	5	x		x	x	x	x	x				x				
	Clinical Haematology	10		x	x	x	x	x	x								
	Clinical Chemisty	10		x	x	x	x	x	x								
	Methods for Research and Development Work	5							x	x			x		x		
	Work Placement at Health Care Laboratories II	15		x	x	x	x	x	x	x		x		x		x	x
	Yhteensä	**60**															
Biomedical Laboratory Scientist as an actor in Clinical laboratory work	Multidisciplinary Innovation Project	10								x			x		x		x
	Clinical cytology	5		x	x	x	x	x	x								
	Clinical histology	5		x	x	x	x	x	x								
	Clinical microbiology	10		x	x	x	x	x	x								
	Planning of the Thesis Work	5								x		x	x	x	x		
	Clinical Physiology, Clinical Neurophysiology and Clinical Nuclear Medicine	10		x	x	x	x	x	x								
	Entrepreneurship and Management in the Social and Health Care Sector	5								x				x			x
	Metropolia´s elective modules	10															
	Yhteensä	**60**															
Biomedical Laboratory Scientist as a developer in Clinical laboratory work	Execution of the Thesis Work	5								x		x	x	x	x		
	Reporting and Usefulness of the Thesis and Maturity Test	5								x		x	x	x	x		
	Work Placement at Health Care Laboratories III	15		x	x	x	x	x	x	x		x		x		x	x
	Metropolia´s elective modules	5															
	Yhteensä	**30**															