

INFORMATION AND COMMUNICATION TECHNOLOGY (SOFTWARE DEVELOPMENT) - BACHELOR OF INFORMATION AND COMMUNICATION TECHNOLOGY (ONLINE)

A Suggested Plan of Study for Students

This roadmap assumes student placement in MATH 1220G College Algebra. The contents and order of this roadmap may vary depending on initial student placement in mathematics and previous English coursework that was transferred in. It is only a suggested plan of study for students and is not intended as a contract. Course availability may vary from fall to spring semester and may be subject to modification or change.

First Year		Credits
Elective Credits (include General Education credits) ⁴		30
	Credits	30
Second Year		
Elective Credits (include General Education credits) ⁴		33
	Credits	33
Third Year		
Fall		
Structured Programming Course (from pre-approved list)		3
ICT 360	Operating Systems for ICT	3
ICT 377	Computer Networking I	3
MATH 1220G	College Algebra ¹	3
OECS 185 or E T 160	PC Maintenance and Repair I or Windows Fundamentals for IET	3
	Credits	15
Spring		
ICT 320	Introduction to Internet Protocols	3
E T 300	Special Topics (Software Design & Testing)	3
ICT 350V	Introduction to Personal Computer Security and Privacy	3
ICT 355	Linux System Administration	3
ICT 364	Windows Enterprise Administration	3
	Credits	15
Fourth Year		
Fall		
ICT 458	Web Development and Database Applications	3
ICT 362	Software Technology II	3
ICT 435	Senior Project	3
E T 483	Mobile App Programming and Development	3
ICT 450	Ethical Hacking	3
	Credits	15
Spring		
ICT 460	Multimedia Tools and Support	3

ICT 457	Introduction to Information Security Technology	3
Viewing a Wider World ²		6
	Credits	12
	Total Credits	120

1

See the General Education (<http://catalogs.nmsu.edu/nmsu/general-education-viewing-wider-world/>) section of the catalog for a full list of courses. NOTE: Students may need to take any prerequisites needed to enter MATH 1220G College Algebra.

2

See the Viewing a Wider World (<http://catalogs.nmsu.edu/nmsu/general-education-viewing-wider-world/#viewingawiderworldtext>) section of the catalog for a full list of courses. Viewing a Wider World (<http://catalogs.nmsu.edu/nmsu/general-education-viewing-wider-world/#viewingawiderworldtext>) courses will form part of the required 48 upper-level credit hours taken as part of the ICT program at NMSU.

3

Concentrations are *optional* educational sequences that students may choose to focus on particular areas related to . Concentrations may often be done without additional credits by **judicious use of electives** and other optional course requirements.

4

Elective credit may vary based on prerequisites, dual credit, AP credit, double majors, and/or minor coursework. The amount indicated in the requirements list is the amount needed to bring the total to 120 credits and may appear in variable form based on the degree. However, students may end up needing to complete more or less on a case-by-case basis and students should discuss elective requirements with their advisor.

5

Special Topics courses will include various topics and will require the instructor's consent. Students pursuing an ICT concentration will need prior faculty advisor approval to ensure the topics covered in that specific term will count towards the desired ICT concentration.