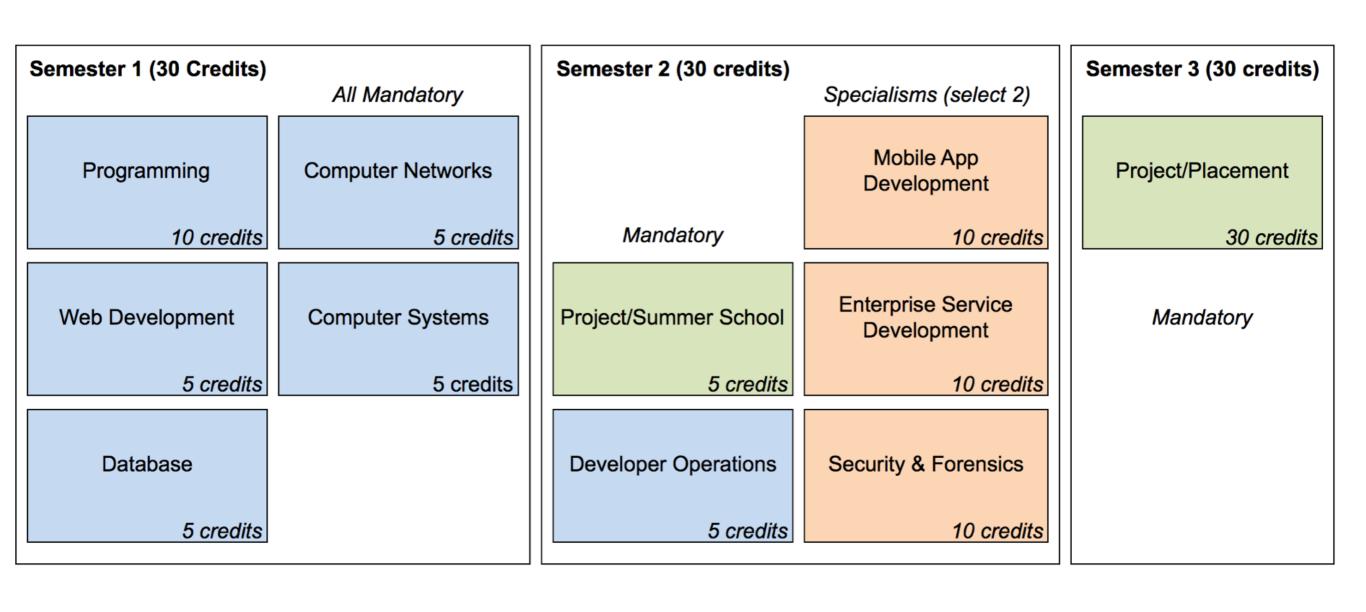
Skills Studio / Summer School

Structure of the Programme



Summer School / Skills Studio

- 4 days per week
- Mostly Practical
- Located in Arclabs / TSSG



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 Focus on integrating Web Developr 	nont study-perio	30	1	2	3	4	5	6
b	May exam-perio	7	8	9	10	11	12	13
+ Programming modules		14	15	16	17	18	19	20
		21	22	23	24	25	26	27
		28	29	30	31	1	2	3
 Weekly tech talks from Industrial 	June Summer School	4	5	6	7	8	9	10
Partners		11	12	13	14	15	16	17

 Assessed via a single project submitted by end of August.

Provisional Revised Dates

	S	М	Т	W	Т	F	S
Week							
May	21	22	23	24	25	26	27
	28	29	30	31	1	2	3
June	4	5	6	7	8	9	10
	11	12	13	14	15	16	17
	18	19	20	21	22	23	24
	25	26	27	28	29	30	1

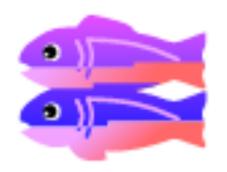
Structure of the School

Tuesday & Friday Wednesday Thursday: Introducing Node.js Development Skills Studio (in association with Redhat) Industry Talks Series from Industry Partners + Industry Placement Preparation

	Tuesday		Wednesday		Thursday		Friday
9:30 - 11:00	Online Webinar	9:30 - 12:30	Skills Workshop	9:30 - 1:00	Industry Talks	9:30 - 11:00	Lab Support
	(with playback)		(Arclabs)		(Arclabs)		(Online Chatroom)

Tuesday & Friday: Introducing Node.js using glitch.com

	Tuesday		Friday
9:30 - 11:00	Online Webinar	9:30 - 11:00	Lab Support
	(with playback)		(Online Chatroom)



An introduction to developing web applications using Javascript, Node.js, Express.js using a new and highly innovative development environment called Glitch

Fully online delivery - Tuesdays & Fridays

Attended by current and some past students of ICT Skills

Introducing node.js development: Schedule

Week	Lesson Plan	Javascript Topics	Web Development Topics
1	Become familiar with the Glitch Environment, build some simple apps. Review the basics of the Javascript language	Context, Variables, Boolean Logic	Glitch tour + Features
2	Discover the front-end/back- end nature of the glitch environment. Build an app routing, simple view and including templating. Explore the basics of Objects in Javascript	Objects, JSON, Storing & Retrieving Objects	Web App Introduction, Front End, Back End. Templating.
3	Review Javascript arrays in depth. Explore the MVC paradigm, and implement a simple Form in a Glitch app.	Array basics, Array methods, array iteration, arrays of strings & objects	Model View Controller, Form Design & Programming
4	Investigate the structure of Javascript Objects in more detail, particularly their dynamic nature. Incorporate sessions management into web applications	Objects in Detail	Sessions. Using Sessions in Express.
5	Review Javascript Functions in depth. Learn how to consume an external service from a web application (image storage).	Functions in Depth	APIs for Image Manipulation & Storage

Wednesday: Skills Studio (in association with Redhat)

Week	Topic
1	Git Introduction
2	Agile Methods
3	Containerisation
4	MEAN Stack
5	Git Advance

Thursday: Industry Talks

Week	Time	Speakers
1	10:00	Dataworks
	10:30	Fundrecs
	11:30	Se2
	12:00	TSSG
2	10:00	CGM
	10:30	TSSG
	11:30	Tucr
3	10:00	Onaware
	10:30	RedHat
	11:30	Red Hat
	12:00	Nearform
4	10:00	110%
	10:30	Errigal
	11:30	TSSG
	12:00	Sunlife
	12:00	Sunlife
5	10:00	Industry
		Preparation
	12:00	Workshop

<u>Assessment</u>

Single Web Application
To be Completed by August 31st