





Historical P	erspective	e	
Geodetic Surveying Programmes	Duration	ECTS	Graduates
Diploma in Geo-Surveying	1972 - 1977	240	24
Certificate in Geo-Surveying *	1977 - 2002	120	104
Diploma in Geo-Surveying *	1979 - 2002	180	368
BSc. in Geomatics	2003 - 2006	240	94
<ul> <li>* Certificate and Diploma Program in tandem</li> <li>Students graduated after 2 ye those with an overall merit gr completed a third year to gram</li> </ul>	grammes in ears with a co rade (>60% a duate with a	Geo-S ertifica iverage Diplor	urveying te and e) na
22% did not progress from Ce	ertificate to [	Diplom	a
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	Honours Degrees 240 ECTS	Ordinary Degrees 180 ECTS	Percentage using 4 year model
Higher Education Authority (HEA) (Universities)	13,359	2720	83%
Dublin Institute of Technology *	1156	173	87%
Higher Education & Training Awards Council (HETAC) Other Institutes of Technology	4540	000	0.00/
* Figures for DIT relate to 2001 graduat	es and ordina	ary degrees a	are estimated
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## Rationale for Upgrading Diploma to BSc.

- Perception by graduates that 3 year Diploma qualification was hindering their career progression
- Supplying needs of graduates many going to UK for one year top up from Diploma to BSc.
- Adoption of 4 + 1 Bologna model in preference to 3 + 2 model is the norm in Ireland
- Wished to provide graduates with option to progress to MSc in order to not disadvantage them in Europe
- Adopted European model for course content instead of Anglo model - good vision for the future
- Leadership limited interest by surveying businesses



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## **BSc. Geomatics**













Academy	Location	Course Title	se Post Graduate e Diploma		MSc	
			Fulltime	Part-time	Fulltime	Part-time
University of Ulster	Coleraine	GIS	9 Months	24 Months	3 Months	12 Months
NUI Maynooth	Maynooth	Applied RS & GIS	12 m	onths	6 months	
NUI Cork	Cork	Applied GIS & RS	12 m	onths	12 m	onths
DIT	Dublin	Spatial Information Management				27 Months
All prog Multiple	jrammes a delivery r	ward an MS nodes avail	Sc. (90 EC able	:TS)		





## Conclusions Broad high level education is the way forward - even if some sections of surveying sector do not think so Must give skills for 40 year career - learning to learn -technology changing so rapidly that initial qualification not good enough - CPD is essential Projects managed by multi-disciplined teams - geodetic surveyors need parity of qualifications to participate on equal footing BSc. permits entry to MSc. and PhD to carry out much needed research in three main areas **Measurement Science Spatial Information Management** Land Management > D V W XXIII International FIG Congress FIG 8 - 13 October 2006 - Munich, Germany MARCH AND