

Dr. Terence McIvor :

BSc (Hons) DIS Biochemistry, DIS, PGCert Educational Technology, PGCert Further and Higher Education, PG Dip in Further and Higher Education, MCA, PhD

CEO/Director of Finance/Curriculum and Quality Enhancement

Dr. McIvor is a Professor of Bio Physical Chemistry at **Afriford University** and a Professor of Chemical Education at **Universidad San Juan De La Cruz (SJDLC)**. Dr. McIvor is teaching students at SDJLC how to problem solve and think for themselves so that they are more employable worldwide.

Dr. McIvor is an academic professional who fosters innovative science and maths programs through national and international organizations. Terry earned a BSc (with honours) in Applied Biochemical Sciences with a Diploma in Industrial Studies from the University of Ulster in 1996. From there he pursued higher degrees in teaching and postsecondary education, culminating in PhDs in Chemistry and Chemical Education (Physical).

Terry worked as a Curriculum Manager of Science & Mathematics at NWRC in Derry and he currently lectures in Physical Chemistry, Biochemistry, Physical Sciences, Nanochemistry, Mathematics and ICT.

Terry has an extensive experience in curriculum development to degree level. Terry has written a number of science programmes in partnership with Ulster University and the Open College Network. He also participated in Erasmus and Erasmus+ programmes researching and developing vocational skills curriculum in Germany and India.

Terry is also a local entrepreneur who has set up successful educational training companies which focuses on vocational and skills training. Terry is passionate about teaching students through a number of teaching strategies including discussion groups, online seminars and webcasts. He has 20 years' experience which involved supervising numerous projects both locally and internationally. Terry has recently published a paper in mathematical education with Queens University and the University of Maynooth. He is also the author of a book targeted toward both teachers and students entitled "The Development of Learning Strategies in Chemical Education." He has published papers in the areas of chemistry and Information Technology.

Terry has organised an international conference with Ulster University and co-ordinated the Salters Festival of Chemistry which was held at NWRC in 2015, the first college in the UK to ever host the festival and he also organised the International Conference Woman in STEM Conference, which was held at NWRC in 2016. He recently developed and led a team who were involved in launching a Maths Centre at NWRC, the first of its kind in Northern Ireland and currently co-ordinating the

first Irish Mathematics Learning Support Conference to be held in the UK, at NWRC in May 2017. Terry is also an International Workshop facilitator and he represents Ireland in the Albert Schweitzer Society and is a visiting professor and scholar to schools in Costa Rica and India. He is also a Fellow of the [American Institute of Chemists \(AIC\)](#) and a professional member of the British Computer Society. Terry is part of the review panel of AIC for conferring chartered chemist status to successful candidates through the credentialing system administered by the National Certification Commission in Chemistry and Chemical Engineering (NCCCCE). He is also a member of the Biochemical Society, part of the panel for science education and an adviser for science education policy within the Biochemical Society. Terry is also a Vice President of [Chartered Institute of Management and Leadership](#).

Terry was instrumental in pioneering the NWRC's strategy to establish a "Science Applied Research Centre" as part of the Department for Employment and Learning's FE Strategy for centres of specialism, this project assisted in building of an applied research portfolio in this area.

Dr. Terence McIvor is a leader in the development of teaching and learning strategies.