

Textile Coloration Science and Technology

Leading to the
Textile Coloration
Certificate (TCC)

Prospectus 2027-28



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Meeting the Needs of the Industry

Textile Coloration Science and Technology courses provide a unique education pathway designed to meet the needs of the textile industry about the science underpinning coloration processes.

All courses are part time. This initial course, leading to the Textile Coloration Science and Technology Award (TCST) leading to the Textile Coloration Certificate (TCC) is a total of 3 years in duration, and provides the perfect precursor to studying for the Associateship of the Society of Dyers and Colourists (ASDC), the UK honours degree equivalent qualification.

Cognitive and Skill Level

The course is divided into 2 sections with increasing depth and breadth of study:

Part 1: Year 1. Level 2* requirements for scientific progress and cognitive load

Part 2: Years 2 and 3. Level 3* requirements for scientific progress and cognitive load building upon Part 1 content.

*Based on the appropriate Ofsted knowledge and skills level descriptors.

Course Aims

The overall aims of the course are to:

- a. Explore the fundamental processes and scientific principle behind textile coloration
- b. Develop both scientific understanding and personal learning and thinking skills
- c. Develop a range of transferrable skills such as decision making, information analysis and written and verbal communication.

Learners from diverse educational and experiential levels can begin this course and leave with scientific and cognitive abilities for technical development in their respective workplaces.

Access to Learning

The Textile Coloration Science and Technology course offers flexible learning encompassing fortnightly online lectures, delivered within a dedicated online classroom via Zoom. It is a requirement, that learners access live sessions and interact with the tutor and fellow learners and enhance certain transferrable skills such as questioning, discussion and teamwork

Programme of Study

Part 1:

Duration: 1 academic year
 Content: 2 taught modules, as below, comprising 8 and 12 hours contact time and 32 and 48 hours of independent learning respectively.

Part 1 (Year 1) Modules

F1 Chemistry Related to Textiles: 8 hours of lectures plus tutorials
 F2 Organic Chemistry Related to Textiles: 12 hours of lectures plus tutorials

Part 2:

Duration: 2 academic years
 Content: 3 modules per year consisting of a total of 40 hours contact time and 80 hours independent learning.

Part 2 Modules

Year 2:

T1 Chemistry of Colourants: Cellulose Fibres and Blends
 T2 Fibre Chemistry
 T3 Textile Printing

Year 3:

T4 Chemistry of Colourants: Protein Fibres and Blends
 T5 Colour Physics
 T6 Dyeing Theory

Additional Benefits

1. Access to tutorial support from the course tutor
2. Peer to peer support during sessions and on-line classroom provision

Details for application for the next academic year are provided at the end of this document.

Assessment

All learners will be examined for each module under invigilated exam conditions.

Year 1 (Part 1)

Module F1 70% by examination and 30% assessed coursework

Module F2 Wholly examined

Successful completion of Part 1 leads to the award of the Foundation Textile Coloration Certificate (FTCC)

Year 2 (Part 2)

Module T1 70% by examination and 30% assessed coursework

Module T2 Wholly examined

Module T3 Wholly examined

Year 3 (Part 2)

Module T4 70% by examination and 30% assessed course work

Module T5 Wholly examined

Module T6 Wholly examined

Successful completion of Part 2 leads to the award of the Textile Coloration Certificate (TCC) and the cumulative Part 1 and 2 Textile Coloration Science and Technology Award

There will be an opportunity to re-sit failed exams for each module on maximum of 2 occasions.

Examinations will take place online, in controlled conditions, via Zoom.

Assessed coursework will be submitted prior to the final examinations in each year of the course.

The award is also dependent upon submission of all required independent study materials and a comprehensive portfolio work accumulated during each part of the course.

Although all students are encouraged to, and supported in, completing the full 3 years, some may decide to leave at the end of 1 having achieved the FTCC

Timetables and access instructions will be available on acceptance onto the course.

Grading

Grade Boundaries

50 – 59.9%	Pass
60 – 69.9%	Merit
70%+	Distinction

Part 1

Final grades awarded are an average of the total for Modules F1 and F2

Students must successfully complete Part 1 before progressing to Part 2 of the course.

Part 2

Final grades awarded are an average of the total for Modules T1 – T6

The Application Process

Applications should be made via the SDC website – link on p6.

Entry Requirements:

1. Level 4 / Grade C, or equivalent qualification in science, particularly chemistry. Other qualifications may be considered along with a possible short interview and / or entry test.
2. IELTS Level 7

Proof of the above will be required before enrolment on to the course.

Application Details

Part 1: Year 1

Duration: **September — June**

Application deadline: **30th June prior to the September start**

Cost: **£1805**

Progression:

Students will be eligible to enrol on Part 2 of Textile Coloration Science and Technology course on successful completion of Year 1.

Part 2: Years 2 and 3

Duration: **September — July**

Application deadline: **30th June prior to the September start**

Cost: **£3000 per annum**

Fees are invoiced in July prior to a September start for payment within the subsequent 30-day period.

The online application form can be found on the SDC website: [Information and Application Form](#)

Mentoring Requirement

It is a requirement for companies enrolling candidates on the Textile Coloration Science and Technology course to provide details of an employee, or employees, who can mentor the candidate. Mentors must be able to provide technical support to the candidate and input / advice on assignments.

The Learning Contract

On acceptance to the course, students and mentors will be required to agree and sign a learning contract with the SDC applicable for the duration of their studies. This will include, but is not limited to, the recognition that all parties will approach teaching and learning with honesty and integrity and that penalties will be imposed should this not be the case.

For further information please contact:

Dr Sue Hulbert: Education Manager
Regaine Brown: Membership and Insight
Andrew Filarowski: Deputy CEO

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From a student perspective:

Why study with the SDC?

Working as the technical dye instructor for a university, this course has been the perfect way to improve my knowledge of the chemistry behind dyeing. Having had no previous chemistry teaching, it was a helpful introduction into the coloration of textiles and has already greatly improved my practice by expanding my understanding of dyeing when working within an academic team.

**Alexandra Palmer, Technical Dye Instructor
De Montfort University UK**



Passing the course gave me a huge sense of achievement and belief in my own ability. To be back in work and be able to pass some knowledge and ideas I learned onto my work colleagues has been very rewarding. Hopefully I can inspire them to push themselves like I did, and maybe try something out of their comfort zone, as I am proof that it can certainly be done with hard work and effort

**Michael Dixon, Blending/Dyehouse Manager
Abraham Moon,**



I had no formal training in my field, so passing the FTCC has been of great benefit in my current job, especially when it comes to leading and giving advice to problem solving. It has encouraged me to move on to better things and acquire further in-depth knowledge about dyes, fibres and related processes through the TCC. I have thoroughly enjoyed learning although it is not easy to balance work, family life and education.

**Mbiri Tsabola, Dyehouse Manager
Kadoma Textiles, Zimbabwe**



SDC Academics Involved



Andrew Filarowski CCol ASDC
Technical Director

Andrew is the Technical Director of the Society of Dyers and Colourists and has over 20 years international experience of textile and business management in the textile industry. A graduate of Leeds University in Textile Chemistry, he began his career with laboratory and in bulk at customers.

In his current position he is responsible for the development of the Society's international training courses. He is the secretary to BSI Colour Fastness and Colour Measurement committee TCI/81 and its mirror committee in ISO TC38. He is also textile coloration and has responsibility for the internationally acclaimed publication the Colour Index. He ensures that the Society remains a technical professional body through its publications, seminars and



Dr Sue Hulbert
Education Manager

Sue is the Education Manager of the Society of Dyers and Colourists. Her extensive background in education, developing and delivering science from KS1 to PhD level, and industrial experience, provides her with a unique platform on which to help students develop not only their knowledge but other key skills required in the workplace.

She is a graduate of the University of Leeds where she attained her BSc, PhD and PGCE. Sue is essentially a Biochemist, in scientific terms, and in education terms a specialist in independent learning and assessment having spent 7 years as a school-based consultant in secondary and further education. She is also an independent assessment advisor, examiner and moderator at levels 2-6 and brings e-learning experience to the development of professional coloration courses available through the SDC.

The Small-Print

The SDC reserves the right to make alterations to the contact, deadlines and examination dates but will endeavour to adhere to the schedule provided on commencement of each course of study, to ensure continuity of learning for students and planning for students and their employers

Employers have access to SDC staff for feedback. Contact details are on p6 of this document.

This course is written with input from the coloration industry as it is vital that it provides both employers and candidates with the academic learning and transferable skills required for development in the workplace.

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