RIT Color Science

Program of Color Science / Munsell Color Science Laboratory
Integrated Sciences Academy
College of Science
Rochester Institute of Technology

mcsl.rit.edu
What is Color Science?
Color Science is ... understanding why most people would call both of these green, but they’re not exactly the same.
Color Science is ... understanding why I think it’s blue & black and you think it’s white & gold.
Color Science is… answering the question “What is White?”
Color Science is ... multidisciplinary. Basic sciences (physics, chemistry, mathematics, biology) and technology used to understand and improve what you see.
Color Science is ... a bridge between the sciences and the humanities.
Objectives: Current (Rev. 2002)

1) To provide undergraduate and graduate education in color science,
2) To carry on applied and fundamental research,
3) To facilitate spectral, colorimetric, photometric, spatial, and geometric measurements at the state of the art, and
4) To sustain an essential ingredient for the success of the first three — namely, liaison with industry, academia, and government.
MCSL Faculty

Mark Fairchild
Susan Farnand
Elena Fedorovskaya
Mike Murdoch

Chris Thorstenson*

*Joining Fall 2021
MCSL Students

Programs & Numbers

Color Science M.S. & Ph.D.
Imaging Science M.S. & Ph.D.
Several Other RIT Undergraduate and Graduate Programs

130+ MCSL Alumni
From 15+ Countries
Working in Industry, Government, & Academia Worldwide

Over 1000 Publications under MCSL
Program Overview

CLRS-601 Principles of Color Science
CLRS-720 Computational Vision Science
CLRS-750 Historical Research Perspectives
CLRS-602 Color Physics and Applications
CLRS-820 Modeling Visual Perception
CLRS-752 Research and Publication Methods
Electives
Thesis or Dissertation Research
Color is in us — not outside.

-A. Munsell