

Now also available on [GitHub](#).

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Mathematics

Calculus I

patrickJMT:

[Calculus / First Semester - Limits, Continuity, Derivatives](#)

Professor Leonard:

Full videos. [Calculus 1 \(Full Length Videos\) Professor Leonard 32 videos](#)

Playlist 1. [Calculus 1 Playlist 1](#)

Playlist 2. [Calculus 1 Playlist 2](#)

The Organic Chemistry Tutor:

https://www.youtube.com/playlist?list=PL0o_zxa4K1BWYThyV4T2Allw6zY0jEumv

MathDoctorBob:

<https://www.youtube.com/user/MathDoctorBob/playlists>

blackpenredpen:

<https://www.youtube.com/user/blackpenredpen/playlists>

Krista King:

https://www.youtube.com/user/TheIntegralCALC/playlists?view=50&flow=grid&shelf_id=22

Jamie Mulholland:

https://www.youtube.com/channel/UCOZJyVA526SIYB7e-p5RRMg/playlists?view=50&sort=dd&shelf_id=6

NancyPi:

<https://www.youtube.com/channel/UCRGXV1QlxZ8aucmE45tRx8w/playlists>

Engineer4Free:

[Calculus](#)

Calculus II

patrickJMT:

[Calculus / Second Semester - Integration](#)

Professor Leonard: [Calculus 2 \(Full Length Videos\)](#)

The Organic Chemistry Tutor:

https://www.youtube.com/playlist?list=PL0o_zxa4K1BWYThyV4T2Allw6zY0jEumv

MathDoctorBob:

<https://www.youtube.com/user/MathDoctorBob/playlists>

blackpenredpen:

<https://www.youtube.com/user/blackpenredpen/playlists>

Krista King:

https://www.youtube.com/user/TheIntegralCALC/playlists?view=50&flow=grid&shelf_id=23

Jamie Mulholland:

https://www.youtube.com/channel/UCOZJyVA526SIYB7e-p5RRMg/playlists?view=50&sort=dd&shelf_id=3

NancyPi:

<https://www.youtube.com/channel/UCRGXV1QlxZ8aucmE45tRx8w/playlists>

Calculus III

patrickJMT:

[Calculus / Third Semester / Multivariable Calculus](#)

Professor Leonard: [Calculus 3 \(Full Length Videos\) Professor Leonard•34 videos](#)

The Organic Chemistry Tutor:

https://www.youtube.com/playlist?list=PL0o_zxa4K1BWYThyV4T2Allw6zY0jEumv

MathDoctorBob:

<https://www.youtube.com/user/MathDoctorBob/playlists>

blackpenredpen:

<https://www.youtube.com/user/blackpenredpen/playlists>

Krista King:

https://www.youtube.com/user/TheIntegralCALC/playlists?view=50&flow=grid&shelf_id=24

Linear Algebra

patrickJMT:

[Linear Algebra](#)

MIT Linear Algebra Lectures (Prof. Gilbert Strang):

[Prof. Gilbert Strang - Linear Algebra Lectures](#)

MIT A 2020 Vision of Linear Algebra, Spring 2020. (Prof. Gilbert Strang):

[MIT A 2020 Vision of Linear Algebra, Spring 2020](#)

MathDoctorBob:

<https://www.youtube.com/playlist?list=PL774A268635BA8AAD>

3B1B:

[Essence of linear algebra - YouTube](#)

Engineer4Free:

[Linear Algebra](#)

Differential Equations

patrickJMT:

[Differential Equations](#)

Professor Leonard:

[Differential Equations](#)

3B1B:

[Differential equations](#)

MathDoctorBob:

[Differential Equations](#)

Faculty of Khan:

[Partial Differential Equations](#)

Engineer4Free:

[Differential Equations](#)

Statistics

Professor Leonard:

Statistics Playlist 1 [Statistics Playlist 1](#)

Statistics (Full Length Videos) [Statistics \(Full Length Videos\) Professor Leonard•28 videos](#)

The Organic Chemistry Tutor:

[Statistics The Organic Chemistry Tutor•69 videos](#)

MathDoctorBob:

<https://www.youtube.com/playlist?list=PL39A63114C97E5C10>

Khan Academy:

[Statistics](#)

Brandon Foltz:

<https://www.youtube.com/user/BCFoltz/playlists>

The Stats Files - Dawn Wright Ph.D.:

https://www.youtube.com/channel/UCN9jJ_WlmK920O-wt-QMyA/playlists

Discrete Mathematics

TheTrevTutor:

Discrete Math 1: [Discrete Math 1](#)

Discrete Math 2: [Discrete Math 2](#)

Complex Analysis

MathsStatsUNSW:

[MATH2069 Complex Analysis MathsStatsUNSW•16 videos](#)

Petra Bonfert-Taylor:

[Analysis of a Complex Kind](#)

LetThereBeMath:

[Complex Analysis](#)

ritvikmath:

[Complex Analysis Made Simple](#)

Numerical Methods

Chris Rycroft - Harvard Applied Math 205:

[Harvard Applied Math 205](#)

Set Theory/Metric Spaces

Dr. Trefor Bazett:

[Discrete Math \(Full Course: Sets, Logic, Proofs, Probability, Graph Theory, etc\)](#)

The Math Sorcerer: [Functions, Sets, and Relations](#)

Elliot Nicholson:

[Metric Spaces and Topology](#)

Everything Mathematics

Khan Academy:

[Algebra I | Khan Academy](#)

Daniel An:

<https://www.youtube.com/user/mathingsconsidered/playlists>

The Math Sorcerer:

<https://www.youtube.com/user/themathsorcerer/playlists>

Physics

Statics

Jeff Hanson:

[Online Statics Course Jeff Hanson•94 videos](#)

structurefree:

statics. [Statics](#)

Structural Analysis. [Structural Analysis](#)

Engineer4Free:

Statics. [Statics](#)

Structural Analysis. [Structural Analysis](#)

FinalAnswer:

https://www.youtube.com/user/daxterbelstutoring/playlists?view=50&sort=dd&shelf_id=2

CPPMechEngTutorials: [Engineering Mechanics \(Statics, Dynamics, Materials\) with Dr. Jawa](#)

UWMC Engineering:

[EGR 201 Statics](#)

Randall Manteufel:

[Statics Spr2018](#)

Dynamics

structurefree:

Engineering Dynamics. [Engineering Dynamics](#)

Structural Dynamics. [Structural Dynamics](#)

FinalAnswer:

https://www.youtube.com/user/daxterbelstutoring/playlists?view=50&sort=dd&shelf_id=3

Jeff Hanson:

[Online Dynamics Course Jeff Hanson•27 videos](#)

CPPMechEngTutorials: [Engineering Mechanics \(Statics, Dynamics, Materials\) with Dr. Jawa](#)

UWMC Engineering:

[EGR 202 Dynamics](#)

TheBom_PE:
[MENT 203: Dynamics](#)

Waves and Optic

Adam Beatty:
[Playlist : Wave Optics](#)

Michel van Biezen: [PHYSICS - OPTICS](#)

Tutorials Point (India) Pvt. Ltd.:
[Wave-Optics](#)

Thermodynamics I

CPPMechEngTutorials: [Thermodynamics I: Professor David Miller's Lecture Series](#)

Randall Manteufel:
[Engineering Thermodynamics I ME3293 Fall2015](#)

LearnChemE:
https://www.youtube.com/user/LearnChemE/playlists?view=50&flow=grid&shelf_id=11

Ron Hugo:
https://www.youtube.com/channel/UCrRKDc1uHcif575CQexIA5Q/playlists?view=50&flow=grid&shelf_id=5

UWMC Engineering:
[EGR 263 Thermodynamics](#)

Thermodynamics II

CPPMechEngTutorials:
[Thermodynamics II - Professor David Miller's Lecture Series](#)

Randall Manteufel:
[Thermodynamics II Spr19](#)

LearnChemE:
https://www.youtube.com/user/LearnChemE/playlists?view=50&flow=grid&shelf_id=11

Ron Hugo:
https://www.youtube.com/channel/UCrRKDc1uHcif575CQexIA5Q/playlists?view=50&flow=grid&shelf_id=5

UWMC Engineering:
[EGR 263 Thermodynamics](#)

Fluid Mechanics I

CPPMechEngTutorials:
Fluid Mechanics I: [Fluid Mechanics I - Dr. Biddle's lecture series](#)
Fluid Mechanics: [Fluid Mechanics - Concept & Derivation Videos](#)

Randall Manteufel:
[ME3663 Fluid Mechanics Summer2016](#)

LearnChemE:
https://www.youtube.com/user/LearnChemE/playlists?view=50&flow=grid&shelf_id=5

Ron Hugo:
https://www.youtube.com/channel/UCrRKDc1uHcif575CQexIA5Q/playlists?view=1&sort=dd&shelf_id=0

Fluid Mechanics II

CPPMechEngTutorials:
[Fluid Mechanics II - Dr. John Biddle's lecture series](#)

LearnChemE:
https://www.youtube.com/user/LearnChemE/playlists?view=50&flow=grid&shelf_id=5

Strength of Materials I

CPPMechEngTutorials: [Strength of Materials I - Dr. Izadi Lecture Series](#)

structurefree:
[Mechanics of Materials](#)

UWMC Engineering:
[SPELA UPP ALLA EGR 203 Mechanics of Materials](#)

Engineer4Free:
[Mechanics of Materials](#)

Strength of Materials II

CPPMechEngTutorials:
[Strength of Materials II: Dr. Mohammad Izadi's Lecture Series](#)

structurefree:

[Mechanics of Materials](#)

UWMC Engineering:
[EGR 203 Mechanics of Materials](#)

Mechanical Vibrations

Mohammad Noori:
[Mechanical Vibrations](#)

Stress Analysis

CPPMechEngTutorials:
[Stress Analysis: Dr. Hassan Rejali's lecture series](#)

Heat Transfer

CPPMechEngTutorials:
[Heat Transfer: Dr. John Biddle's Lecture Series](#)

Randall Manteufel:
[Heat Transfer Summer2019](#)

LearnChemE:
[Heat Transfer](#)

Ron Hugo:
https://www.youtube.com/channel/UCrRKDc1uHcif575CQexIA5Q/playlists?view=1&sort=dd&shelf_id=0

Josua Meyer:
<https://www.youtube.com/user/HeatTransferUP/playlists>

Signals and Systems/Signal processing

Rich Radke:
<https://www.youtube.com/user/rjradke1/playlists>

Barry Van Veen:
<https://www.youtube.com/user/allsignalprocessing>

MIT OpenCourseWare, MIT 6.003 Signals and Systems, Fall 2011:
[MIT 6.003 Signals and Systems, Fall 2011](#)

MIT OpenCourseWare, MIT RES.6.007 Signals and Systems, 1987:
[MIT RES.6.007 Signals and Systems, 1987](#)

Iman, signal processing 101:
[signal processing 101](#)

MIT OpenCourseWare:
[MIT RES.6-008 Digital Signal Processing, 1975](#)

technocrusader:
[NPTEL - Digital Signal Processing](#)

Control Theory/Control Systems

Brian Douglas:
[Classical Control Theory](#)

Steve Brunton:
<https://www.youtube.com/channel/UCm5mt-A4w61lknZ9lCsZtBw/playlists>

katkimshow:
<https://www.youtube.com/user/katkimshow/playlists>

John Rossiter:
<https://www.youtube.com/channel/UCMBXZxd-j6VqrynykO1dURw/playlists>

Electronics/Electrical

Razavi:
Electronics.
https://www.youtube.com/playlist?list=PL7qUW0KPfsIIOPOKL84wK_Qj9N7gvJX6v
Electronics 2. [Razavi Electronics 2](#)

Neso Academy:
https://www.youtube.com/user/nesoacademy/playlists?view=50&sort=dd&shelf_id=8

Electrodynamics

Real Physics:
[Introduction to Electrodynamics](#)

Astrodynamics

Alfonso Gonzalez:
[Orbital Mechanics with Python](#)

Finite Element Methods

openmichigan:

[Introduction to Finite Element Methods](#)

Schuster Engineering:

[FEA course](#)

Everything physics

MIT OpenCourseWare:

<https://ocw-origin.odl.mit.edu/courses/find-by-topic/>

Michel van Biezen:

<https://www.youtube.com/user/ilectureonline/playlists>

How to Find the Playlists on Physics. [HOW TO FIND PLAYLISTS ON THIS CHANNEL](#)

Lectures by Walter Lewin:

[Lectures by Walter Lewin. They will make you ♥ Physics.](#)

Step-by-Step Science:

<https://www.youtube.com/user/bhswarthout/playlists>

lasseviren1:

<https://www.youtube.com/user/lasseviren1/videos>

Adam Beatty:

<https://www.youtube.com/user/youspinmerightrounds/playlists>

TheBom_PE:

https://www.youtube.com/channel/UCpDljJAHaKMakrQFFX5fRDg/playlists?view=1&sort=dd&shelf_id=0

NPTEL:

<https://www.youtube.com/user/nptelhrd/playlists>

Economy

The Organic Chemistry Tutor: [Personal Finance](#)

Engineer4Free:

[Engineering Economics](#)

Khan Academy:

https://www.youtube.com/user/khanacademy/playlists?view=50&flow=list&shelf_id=11

Economics in Many Lessons:

<https://www.youtube.com/user/1sportingclays/playlists>

Policonomics:

<https://www.youtube.com/user/policonomicsvideos/playlists>

Economicsfun:

<https://www.youtube.com/user/economicsfun/playlists>

Chemistry

Organic Chemistry

The Organic Chemistry Tutor:

[Organic Chemistry Playlist Online Video Tutorial Course](#)

Eliot Rintoul:

https://www.youtube.com/user/MrERintoul/playlists?view=50&flow=grid&shelf_id=14

Leah4sci:

<https://www.youtube.com/user/Leah4SciTutorials/playlists>

Inorganic Chemistry

Eliot Rintoul:

https://www.youtube.com/user/MrERintoul/playlists?view=50&flow=grid&shelf_id=14

Physical Chemistry

Eliot Rintoul:

https://www.youtube.com/user/MrERintoul/playlists?view=50&flow=grid&shelf_id=16

LearnChemE:

[Physical Chemistry](#)

Everything chemistry

LearnChemE:

[Chemistry](#)

TMP Chem:

<https://www.youtube.com/user/TMPChem/playlists>

Professor Dave Explains:

https://www.youtube.com/channel/UC0cd_-e49hZpWLH3UIwoWRA/playlists?view=1&sort=dd&shelf_id=0

Khan Academy:

https://www.youtube.com/user/khanacademy/playlists?view=50&flow=list&shelf_id=9

Computer Science

Neso Academy:

https://www.youtube.com/user/nesoacademy/playlists?view=50&sort=dd&shelf_id=13

mycodeschool:

<https://www.youtube.com/user/mycodeschool/playlists>

Khan Academy:

https://www.youtube.com/user/khanacademy/playlists?view=50&flow=list&shelf_id=13

Programming

C

Neso Academy:

[C Programming & Data Structures](#)

mycodeschool:

[Introduction to Programming through 'C'](#)
[Pointers in C/C++](#)

C++

thenewboston:

[C++ Programming Tutorials Playlist](#)

mycodeschool:

[Pointers in C/C++](#)

The Cherno:

[C++](#)

Engineer4Free:

[C++ Programming](#)

Java

Derek Banas:

[Java Video Tutorial](#)

Python

sentdex:

[Python 3 Basics Tutorial Series](#)