**Unreal 4 Tutorials List - GAME 3030 Game Level Design**

**Document Description:**

This document lists tutorial videos and text links which are necessary for ramp-up on Unreal 4.

The videos are grouped into "batches."

The objective of the tutorials listed here is to get you up and running with Unreal 4 so you can learn the basics and create playable levels using (at minimum) a "modding" approach, taking advantage of **Unreal 4 templates** and samples.

Note: The goal here is to get you started for level design so the tutorial videos listed below *do not* cover the whole range of Unreal 4 engine features and tech. The list does not delve into programming but it does get into **Blueprint**, which is the Unreal 4 visual scripting language. There are other videos and topics online and, depending on your level design projects, *it may be necessary for you to seek out additional tutorial or problem-solving resources.*

Besides the free videos and reference docs offered by Epic and others, **Lynda.com** is an additional, optional source for Unreal 4 tutorials.

**Unreal 4 Video Tutorials List & Online References\***

**Epic Video Playlists:** https://wiki.unrealengine.com/Category:Epic\_Video\_Playlists

***Additional online references:***

**Getting Started Guide:** https://docs.unrealengine.com/latest/INT/GettingStarted/index.html **Unreal Editor 4 Manual:** https://docs.unrealengine.com/latest/INT/Engine/index.html

**UE4 Tutorials Batch 1**

***Getting Started Guide - browse through this first to get an overview:***

https://docs.unrealengine.com/latest/INT/GettingStarted/index.html

UE4: **Intro to Level Design** (25 min) https://wiki.unrealengine.com/Intro\_to\_Level\_Design

UE4: **Intro to the UE4 Editor** - **videos 1 through 11** (total time approx. 75 min) https://wiki.unrealengine.com/Introduction\_to\_the\_UE4\_Editor\_Playlist
*Note: the* ***Getting Started Guide*** *may also be very helpful with this first batch:* https://docs.unrealengine.com/latest/INT/GettingStarted/index.html

**UE4 Tutorials Batch 2**

UE4: **Intro to UE4 Level Creation** - **1 through 11** (total time approx. 86 min)

**Note:** videos **1 through 7 + 11** in this batch are the most important for getting started in level building. Videos 8,9, 10 get into Blueprint - you may want to wait on those till you are ready to get into Blueprint.

https://wiki.unrealengine.com/Introduction\_to\_UE4\_Level\_Creation\_Playlist

UE4: **Landscape/Terrain Tool Tutorial** (10 min)
*Note: the Terrain video is not accessed from the Epic page - it is available through* ***this link:*** https://wiki.unrealengine.com/Landscape\_Tool\_-\_Video

**UE4 Tutorials Batch 3**

UE4 tutorial videos: **Intro to Materials in UE4 - 1 through 7** (total time approx. 80 min)

**Note:** videos **1 through 3** in this batch are the most important for getting started with materials. Intro to Materials videos 4 through 7 cover material masks - you should at least get familiar with the concept, but it will be optional for you to use those techniques in your projects.

Videos 8 through 10 cover material instances - nice to know, but not required for this course (total time for all 10 videos approx. 115 min)

https://wiki.unrealengine.com/Introduction\_to\_Materials\_in\_UE4\_Playlist

**UE4 Tutorials Batch 4**UE4 tutorial videos: **Intro to Blueprint – videos 1 through 4** (total time approx. 45 min) https://wiki.unrealengine.com/Introduction\_to\_Blueprints\_Playlist

**UE4 Tutorials Batch 5**UE4 tutorial videos: **Intro to Blueprint – videos 5 through 9** https://wiki.unrealengine.com/Introduction\_to\_Blueprints\_Playlist

**UE4 Tutorials Batch 6**UE4 tutorial videos: **Blueprint "QuickShots" series:**

(total time approx. 55 min)

 **• Triggerable Light**

 **• Blueprint Pickup**

 **• Custom Projectile**

 **• Spawning Physics Actors**

 **• Communicating Between Blueprints**

 **• Adding Interaction**

1:33 min 3:36 min 4:26 min 2:18 min 3:38 min 8:35 min

 **• Making Procedural Content** (optional - see if need to expose variables) 4.43 min

 **• Expose on Spawn** (optional - if needed to expose variables) 2.32 min
https://wiki.unrealengine.com/Blueprint\_QuickShot\_Tutorial\_Playlist
----------------------------------------------------------------------------------------------------
Note: The **entire list** of current Epic tutorial videos is available from the link below, however that playlist contains topics that go beyond the scope of this course:
https://www.youtube.com/playlist?list=PLZlv\_N0\_O1gaCL2XjKluO7N2Pmmw9pvhE