

## Virtual Technology and Design

## Curriculum Check Sheet for 2013 – 2014

This check sheet should be used as a guide as to when courses should be taken. However, there are certain courses that are either pre-requisites for other courses and may be offered only once a year or there is a university policy that must be followed. In these cases you should plan on taking these courses in the semester they are listed. These courses are marked with an “\*”.

1 <sup>st</sup> Year: Fall Semester			1 <sup>st</sup> Year: Spring Semester		
*Art 110 Integrated Art & Design Communications (V)(F)	2	cr	*Vtd 152 Introduction to Virtual Design (V)(S)	2	cr
*Art 121 Integrated Design Process (V)(F)	2	cr	*Vtd 266 Animation (V)(S)	3	cr
*Eng 102 College Writing and Rhetoric (C)	3	cr	Phys 111 General Physics I (w/lab) (N)(V)	4	cr
Psyc 101 Intro. to Psychology (SS)(V)	3	cr	Art 112 Drawing as Integrated Design Thinking (V)(S)(1)	2	cr
*Vtd 244 Introduction to 3D Modeling (V)	3	cr	ISEM 101 (IS)	3	cr
*Math 143 Pre-calculus Algebra and Analytic Geometry (M)(V)	3	cr	Core: Humanity (H)	3	cr
<b>Total Credits:</b>	<b>16</b>	<b>cr</b>	<b>Total Credits:</b>	<b>17</b>	<b>cr</b>

### Application & Portfolio Review Required before admission to Vtd 253

2 <sup>nd</sup> Year: Fall Semester			2 <sup>nd</sup> Year: Spring Semester		
*Vtd 253 Virtual Design I (V)(F)	3	cr	*Vtd 254 Virtual Design II (V)(S)	3	cr
*Vtd 245 Advanced Modeling (V)(F)	3	cr	*Vtd 271 Interactive Technologies (V)(S)	3	cr
*Vtd 246 Advanced Lighting and Materials (V)(F)	3	cr	CS 112, CS 120 or CS 127 (V)	3	cr
Core: Humanity (H)	3	cr	Core: Humanity/Social Science/International	3	cr
Cors: Any Cors course listed at the 200 level (N)(V)	3	cr	Core: Social Science (SS)	3	cr
Comm 101 Speech or Phil 102 Reason and Rhetoric (C)	2	cr	Directed Elective (DE)(2)	3	cr
<b>Total Credits:</b>	<b>17</b>	<b>cr</b>	<b>Total Credits:</b>	<b>18</b>	<b>cr</b>

### Application & Portfolio Review Required before admission to Vtd 355

3 <sup>rd</sup> Year: Fall Semester			3 <sup>rd</sup> Year: Spring Semester		
*Vtd 355 Virtual Design III (V)(F)	4	cr	*Vtd 356 Virtual Design IV (V)(S)	4	cr
*Vtd 372 Advanced Interactive Technologies (V)(F)	3	cr	*Vtd 367 Advanced Animation (V)(S)	3	cr
Directed Elective: History/Theory (DE)(1)	3	cr	Directed Elective: History/Theory (DE)(1)	3	cr
Directed Elective (DE)(2)	3	cr	Directed Elective (DE)(2)	3	cr
Core: International Course (I)	3	cr	Elective	3	cr
<b>Total Credits:</b>	<b>16</b>	<b>cr</b>	<b>Total Credits:</b>	<b>16</b>	<b>cr</b>

4 <sup>th</sup> Year: Fall Semester			4 <sup>th</sup> Year: Spring Semester		
*Vtd 457 Capstone Design I (V)(F)	9	cr	*Vtd 458 Capstone Design II (V)(S)	9	cr
*Vtd 400 Seminar (V)(F)	2	cr	Elective 2/3 cr	3	cr
Elective	3	cr	Elective 2/3 cr	2	cr
<b>Total Credits:</b>	<b>14</b>	<b>cr</b>	<b>Total Credits:</b>	<b>14</b>	<b>cr</b>

**Total Credits required for B.S. degree (min):**

**128 cr**

### Legend/Notes

(C) Core Communication; (M) Core Math; (N) Core Natural & Applied Science; (H) Core Humanity; (SS) Core Social Science; (IS) Core Integrated Seminar; (I) Core International; (DE) VTD Directed Electives; (V) VTD Required Courses; (F) Fall Only; (S) Spring Only

1. Program approved history course in Art, Architecture, Film, Theatre, Music or Media.
2. Directed Electives (DE) that allow a student to develop an emphasis area or breadth in a supporting subject area, with approval of VTD program.

**Required course work includes the university requirements and:**

- Art 110: Visual Communication (2 cr)
- Art 121: Design Process I (2 cr)
- Art 112: Drawing (2 cr)
- CS 112: Introduction to Problem Solving and Programming (3 cr)
- Math 143: Pre-calculus Algebra and Analytic Geometry (3 cr)
- Phys 111: General Physics (4 cr)
- Psyc 101: Introduction to Psychology (3 cr)
- VTD 152: Introduction to Virtual Design (2 cr)
- VTD 244: Introduction to 3D Modeling (3 cr)
- VTD 245: Advanced Modeling (3 cr)
- VTD 246: Advanced Lighting and Materials (3 cr)
- VTD 253: Virtual Design I (3 cr)
- VTD 254: Virtual Design II (3 cr)
- VTD 266: Animation (3 cr)
- VTD 271: Interactive Technologies (3 cr)
- VTD 355: Virtual Design III (4 cr)
- VTD 356: Virtual Design IV (4 cr)
- VTD 367: Advanced Animation (3 cr)
- VTD 372: Advanced Interactive Technologies (3 cr)
- VTD 400: Seminar (2 cr)
- VTD 457: Capstone Design Studio I (9 cr)
- VTD 458: Capstone Design Studio II (9 cr)
  
- Two history or theory courses, that are associated with the disciplines of architecture, art, film, media, music or theatre, with approval of the VTD program (6 cr).
  
- Three directed elective courses that allow a student to develop an emphasis area or breadth in a supporting discipline, with approval of VTD program (8-9cr).
  
- Electives to total 128 cr for the degree.