# Implementing Interdisciplinary Learning Experiences



Assistant Provost of Teaching and Learning Executive Director, Center for Instructional Development & Educational Research Professor, Educational Psychology, School of Education Virginia Tech • Blacksburg • Virginia



# <section-header><section-header><section-header><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item>











# General Education Options

- 1. Distributive Pathway
- 2. Pathways Minor
- 3. Alternative Pathway
- ...with active and integrative pedagogies























# **Computation, Cognition, and Creativity**

Virginia Tech

In-Parlbauge Mitrar analytic readonts to gain a chargor-scalar-parliage or no benchrapped word in addite stray. Into, wests, anti-restorate by performing their shiftenenging horizontal many facility of analy and regulation. The minoramphones work-herefore that quantum are

which does to make to the human more work of the Korgonizations. then are resident of ord community influenced by social result Impose the device tracking of out and computation builts even from all matters mammales, length, and attributively, what are the device tracking information and estimat difference power by computing trademing themic pervasion and instability.

The meand priche menor unto feature entered applying menorations,

ENDORSEMENTS

We have a neuronal polynomial process much poper resting sizes i sectores to rescars the transmission complex of transmission from transmission application of a liquid sectores and transmission? - Plantase and complete transmission product to MAX 2008.

"The seclarity and the analysis and together, with the bidary major to the read to-extend a completed of computer instruction extended tomanogeneities and relational Readow Device day." - Days is the deatable Transition along machines in the Department Princip Jone.

Several solutiones in the Diffical Thirding in the Hamarities area are reasonal, industing  $[k_1,k_2]$  and [k]

Investigation of the subcases in the Samithalize and Computation finising reducing the social imports of semanting, the with large units data, uniterationaling multiple fails, invalue, computation can be applied.

O tilgue and Positive in the Aris and Decise

OUTCOMES

### THEME/OVERVIEW IDENTIFIED COURSES

- CI2988 Introduction to Computational Trinking
- MUSERN Signal Sound Manipulation
- MUSEEM Engine come wampercom MUSEEM Linux Labor On/Neths MUSEOU Computer Much and Multimedia I MUSEOU Computer Much and Multimedia II
- PMI,4855 Special Topics in/Philosophy, Minds & Michines receipte philosophy-of-Mircl

Enclose Proceedings of the second states of the second states and the second states a



living countries with par-Now your of angaging the world.

## CONTACT INFORMATION

- Dennis Kafara (Camputer Science) kafunalikoust.edu Res Janues (Philosophy) Isjanizes (PvLedu
- Intelpret (Mastel endyon@vt.edu

NEEDS

Virginia III Tech

- callsborates are cought in any field of much where there are apportunities to show
- The minipage laterates computation and another field at the data of the second second second second and the data of the second second second second second of matching second second second second second second second of the second second
- incorporate pedagogical practices to encourage regagement and experimentation/practica.

# SALES PITCH

- Disabents in UTEM facility have an opportantly to opproach a write control-of ideas and modes of opproaces through a facility progenities and post facility exercises through a facility and exchangementation to decicate .
- and the end of the second seco

# CAPSTONE

- or is open for discussion and ideas. In
- temping with the valuered "the miner the capitors should integrate computation, sugnition, and/or resulting in some competing any. These may be more than one capitons, plowing makers no spatialize their equations.
- Collaboration, will have an active rule in defining the haracteristics of the agesteria.













# Conclusion

Minors and Alternative Pathways provide faculty and students with

- choice, control, and challenge
- flexibility and complexity
- meaningful and integrated learning

