

**Andrew Hamilton**  
**Administrative Curriculum Vitae**  
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### **1. Education**

Ph.D., Philosophy (Science Studies), University of California, San Diego, 2005  
M.A., Philosophy, Boston College, 1999  
B.A. Philosophy, Berea College, 1996

### **2. Academic Appointments**

2025–Present. Vice Provost for Academic Success and Professor of Philosophy (with Tenure)  
2022–2025. Associate Vice Provost for Academic Affairs and Dean of Undergraduate Studies,  
University of North Carolina at Greensboro  
2019–2022. Associate Vice Provost for Student Success and Dean of Undergraduate Studies,  
University of North Carolina at Greensboro  
2016–2019. Associate Dean for Student Success, College of Natural Sciences and  
Mathematics, University of Houston  
2013–2016. Associate Dean for Student Success, The Honors College, University of  
Houston  
2012–2013. Executive Director for Academic Innovation, Office of the Provost, University of  
Houston  
2006–2012. Assistant Professor of Life Sciences, Arizona State University  
2008–2012. Associate Director, International Institute for Species Exploration, Arizona State  
2005–2006. Visiting Lecturer, University of California, Davis  
2003–2005. Adjunct Lecturer, University of San Francisco  
2000–2001. Visiting Lecturer (Fulbright), University of Dar es Salaam, Tanzania

### **3. Other Relevant Appointments**

2017–Present. Founding Member, University Council (Board of Trustees), Sampoerna University,  
Jakarta, Indonesia  
2023–Present. Chair, Cambridge Assessment International US Higher Education Advisory Council  
2017–2023. Member, Cambridge Assessment International Education Eastern Regional Advisory  
Council  
2012–2014. Senior Sustainability Scientist, Wrigley Global Institute of Sustainability, Arizona  
State University  
2009–2012. Director, Biology Graduate Programs, Arizona State University  
2010–2017. At-Large Member, Alumni Executive Council, Berea College (including a term as  
Council President)

### **4. Professional Background**

*Vice Provost for Academic Success (2025–Present):* Texas State, a federally designated Hispanic-Serving Institution, is among the fastest-growing universities in the country. I am charged with developing and implementing a university-wide vision for academic excellence focused on achieving best-in-class graduation and retention rates for Texas State's 45,000

students. I also oversee academic advising, the university seminar, transfer student initiatives, the university testing center, and the Center for Experiential, Community, and Career Engaged Learning. In addition, I serve as the Academic Affairs liaison to Texas State's 3,000 student campus in Round Rock. I manage more than ninety staff members and \$6.5 million annually.

***Associate Vice Provost for Academic Affairs and Dean of Undergraduate Studies, UNC Greensboro (2022-2025):*** UNCG is the most diverse public research university in North Carolina, and is nearly unique in the US in having eliminated graduation-rate disparities between black and white students. UNCG is a Minority-Serving Institution, enrolling a majority-minority student body, a large proportion of community college transfer students, and large numbers of rural, Pell eligible, and first-generation students. UNCG is ranked first in North Carolina and among the top 15 in the US for Social Mobility by *US News & World Report*. As AVPAA and Dean, I oversaw the University Teaching and Learning Commons, International Studies Center, and UNCG's Middle College, a highly rated public magnet school. I also provided leadership for the University's general education program and summer sessions.

***Associate Vice Provost for Student Success and Dean of Undergraduate Studies, UNC Greensboro (2019-2022):*** For three years, I led the Division of Student Success and the Office of the Dean of Undergraduate Studies, supervising a staff of 53 (not counting student workers) and annual expenditures of \$5.2 million, exclusive of scholarships. The Division houses five departmental units led by directors, an assistant dean, and an assistant vice provost. These units offer academic advising, scholarship programs, academic and psycho-social support, orientation, educational opportunities programs, supplemental instruction, tutoring, and the University's first year experience. In my role as Dean, I also have administrative oversight for the general education program and undergraduate academic policy, including appeals.

***Associate Dean for Student Success, College of Natural Sciences and Mathematics, University of Houston (2016-2019):*** UH's nearly 49,000 students comprise what may be the most diverse population of any public Research I university in the nation. UH holds federal designations as a Hispanic-Serving Institution (HSI) and an Asian American and Native American Pacific Islander-Serving Institution (AANAPISI). The College of Natural Sciences and Mathematics enrolls 4,500 undergraduates (including 1,500 transfer students) and approximately 1,000 graduate students in six departments. Expenditures for the College were \$95,000,000 annually. I was charged with oversight and strategic planning for undergraduate student success in the College.

***Associate Dean for Student Success, The Honors College, University of Houston (2013-2016):*** UH Honors, which enrolls 2,500 students, is ranked among the top ten honors colleges and programs in the nation by *Inside Honors*. As the only full-time Associate Dean in Honors, I had broad responsibilities including managing staff, curricular oversight, assessment and reporting, fund raising, and strategic planning. Significant accomplishments include founded and directed the highly successful and award winning UH Bonner Program (service learning), launching an award-winning research-abroad program that has become a model university-wide, and being recognized by a UH System Regents Award for Academic Excellence (2016) and a University Teaching Excellence Award in 2019.

**Executive Director for Academic Innovation, Office of the Provost, University of Houston (2012-2013):** This position oversees the eight staff members who operate the University's learning management systems, as well as coordination and training University-wide for instructional designers. In this role I worked closely with the Faculty Senate, the Center for Teaching and Learning, and Institutional Research to identify curricular problems, and provide resources for faculty development, especially around instructional technology and pedagogical innovations. Significant Accomplishments include a successful rollout of Blackboard Analytics, the redesign of the University's instructional grants program to include Center for Teaching and Learning Review and the use of instructional designers to redesign courses, and the design and construction of two new active learning classrooms and a testing center.

**Assistant Professor, School of Life Sciences, Arizona State University (2006-2012):**

Arizona State University is a public Research I university enrolling just over 55,000 students on its Tempe campus. The School of Life Sciences enrolls almost 4,000 undergraduate majors and more than 400 graduate students. The School of Life Sciences is typically ranked about the top twenty biology units in the country in annual research expenditures. In this role I had responsibilities for teaching, research, and service. I also directed Biology graduate programs. Significant accomplishments include securing more than \$400,000 in NSF grants to fund my research and that of my postdoctoral student, successful redesign of the introductory biology course sequence, and five teaching award nominations (three at the university level and two at the college level).

**5. Grants Awarded (\$13.16 Million)**

- 2025. Principle Investigator, Student-Centered Course Scheduling, Ascendium Education Group/American Association of State Colleges and Universities (\$20,000)
- 2022. Principal Investigator, UNCG McNair Grant (\$1,357,000)
- 2021-2025. Co-Principal Investigator. "Mountains to Sea: North Carolina Louis Stokes Alliance for Minority Participation" NSF LSAMP (\$3,500,000)
- 2020. Principal Investigator. TRiO SSS and SSS STEM-H grants (\$3,000,000)
- 2020. Principal Investigator. "UNCG Frontier Set" Bill and Melinda Gates Foundation (\$640,000)
- 2020. Principal Investigator. "UNCG GEAR-UP Success Coach Partnership" (\$378,000)
- 2019. Co-Principal Investigator. NSF HSI (IUSE) Grant, "Building Capacity: Integrated Interventions to Improve Undergraduate Student Success in STEM" (HRD: 1832534; \$1,499,000)
- 2019. Principal Investigator. NSF Houston Louis Stokes Alliance for Minority Participation, "STEM Pathways and Research Alliance" (Grant Number HRD-1911310, via Texas Southern University, \$949,995. Total grant value \$4,000,000.)
- 2018. Co-Principle Investigator. NSF S-STEM, "Engineering/NSM Student Success Program Serving Low-Income Academically Talented Students" (Grant Number DUE-1742579; \$1,000,000)
- 2017. Principle Investigator. NSF HSI STEM Grant, "Understanding and Improving Readiness and Student Transitions" (Grant Number DUE-1748533; \$100,000)
- 2016. Principle Investigator. NSF "Houston Louis Stokes Alliance for Minority Participation: Senior Alliance Grant" (via Texas Southern University, NSF Grant Number HRD-1407736; \$300,000. Total grant value \$4,000,000.)

2015. Principle Investigator (Supervisor). Corporation for National and Community Service VISTA Grant, "Creating Lasting Change in Houston's Third Ward." (Grant Number 16VSWTX001, \$200,000)
2015. Co-Principle Investigator. UH Teaching Innovation Program Grant, "Fostering the Narrative Imagination through Interdisciplinary Study. (\$18,000)
2010. Principal Investigator, with Ph.D. student Johnny Winston. National Science Foundation Grant: "DDIG: The Science of the Endangered Species Act: The Committee on Rare and Endangered Wildlife Species, 1964-1973" (Grant Number SES-0957131; \$9,984)
2009. Principal Investigator. National Science Foundation Grant: "Standard Research: Biological Systematics in Historical and Conceptual Context" (Grant Number SES 0925827; \$104,514)
2008. Principal Investigator, with postdoctoral student David Steffes. National Science Foundation Grant: "Postdoctoral Fellowship: History and Philosophy of Ecology." (Grant Number SES-08080978; \$84,000)

## **6. Publications** [33 with 3,385 Citations; h-index of 18]

### **Books** [1]

1. 2013. *Hamilton, A., ed. The Evolution of Phylogenetic Systematics.* University of California Press.

### **Refereed Articles** [18]

2. 2018. Smith, B., \*Mathews, M. \*Reed, S. N, \*Tran, Michelle Q. N., \*Mousa, C., \*Lozano, M., Rodriguez, E. S., *Hamilton, A.*, and \*Mathews, J. T. "The Development of the WISE (Writing to Inspire Successful Education) Program: A University-School Collaboration." *Journal of Middle Level Education in Texas*, 5:1.
3. 2018. Pirtle, Z., Odenbaugh, J., *Hamilton, A.*, and Szajnfarber, Z. "Engineering Model Independence: A Pluralist Strategy to Encourage Independence Among Models." *Techné: Research in Philosophy and Technology*, 22:2.
4. 2018. *Hamilton, A.* "The Need for Student Engagement." *New Directions for Teaching and Learning*, 154: 21-32.
5. 2013. *Hamilton, A.* "The Teachable Moment: Rethinking the Large Lecture." *Change: The Magazine of Higher Learning*, 3: 49-51. (Reprinted in Margaret Miller, Ed., *College Teaching and Learning for Change.* New York: Routledge.)
6. 2012. Wheeler, Q. D., Coddington, J., Gostony, T., *Hamilton, A.*, Larimer, R., Polaszek, A, Schauff, M., and Solis, M. A. "Nomenclatural Benchmarking: The Roles of Digital Typification and Telemicroscopy." *Zookeys*, 209: 193-202.
7. 2012. Wheeler, Q. D., Knapp, S., Stevenson, D. W., Stevenson, J. W., Blum, S. D., Boom, B. M., Borisy, G. G., Buizer, J. L., de Carvalho, M. R., Donoghue, M. J., Gerson, E. M., Graham, C.,

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\* Indicates student co-author.

Graves, P., Graves, S. J., Guralnick, R. P., *Hamilton, A.*, Hanken, J., Lipscomb, D. L., Lovejoy, T. E., Miller, H., Miller, J. S., Naeem, S., Novacek, M. J., Page, L. M., Platnick, N. I., Raven, P. H., Solis, M. A., Valdecasas, A. G., van der Leeuw, S., Vermeulen, N., Vogel, J., Wilson, E. O., and Woolley, J. B. "Charting the Biosphere: Exploring Species to Understand the Origin, Organization, and Sustainability of Biodiversity." *Systematics and Biodiversity*, 10: 1-20.

8. 2011. *Hamilton, A.* "From Types to Individuals: Hennig's Ontology and the Development of Phylogenetic Systematics." *Cladistics*, 27: 1-11.

9. 2011. Pearson, D., *Hamilton, A.*, and Erwin, T. "Recovery Plan for the Endangered Taxonomy Profession." *Bioscience*, 61: 58-63.

10. 2011. Chew, M. and *Hamilton, A.* "The Rise and Fall of Biotic Nativeness: A Historical Perspective." In *Fifty Years of Invasion Ecology: The Legacy of Charles Elton*. D. Richardson, ed. Oxford: Wiley-Blackwell.

11. 2010. \*Pirtle, Z., \*Meyer, R., and *Hamilton, A.* "What Does It Mean When Climate Models Agree? A Case For Assessing Independence Among General Circulation Models." *Environmental Science and Policy*, 13: 351-361.

12. 2009. Haber, M. H. and *Hamilton, A.* "Clade Selection and Levels of Lineage: A Reply to Rieppel." *Biological Theory*, 4: 214-218.

13. 2008. *Hamilton, A.* and Wheeler, Q. D. "Taxonomy and Why History of Science Matters for Science: A Case Study." *Isis*, 99: 331-340.

14. 2007. *Hamilton, A.* "Laws of Biology, Laws of Nature: Problems and (Dis)solutions." *Blackwell Philosophy Compass*, 2: 592-610.

15. 2007. Elser, J. J. and *Hamilton, A.* "Stoichiometry and the New Biology: The Future is Now." *PLoS Biology*, 5: 181-183. Translated into Estonian as Elser, J. J. and *Hamilton, A.* 2008. "Stõhhiomeetria ja uus Bioloogia." *Akadeemia*, 7: 1505-1516.

16. 2006. *Hamilton, A.*, and Haber, M. H. "Clades are Reproducers." *Biological Theory*, 1: 381-391.

17. 2005. Haber, M. H. and *Hamilton, A.* "Coherence, Consistency, and Cohesion: Clade Selection in Okasha and Beyond." *Philosophy of Science*, 72: 1026-1040.

18. 2005. *Hamilton, A.* "Plato's Theory of Forms Reconsidered: Radical Purity in *Philebus* 11a-15b?" *Ancient Philosophy*, 25: 349-363.

#### **Book Chapters [9]**

19. 2013. *Hamilton, A.* and Fewell, J. "Groups, Individuals, and the Transition to Sociality." In *From Groups to Individuals: Perspectives on Biological Associations and Emerging Individuality*. F. Bouchard and P. Huneman, eds. MIT Press.

20. 2013. *Hamilton, A.* "Historical and Conceptual Perspectives on Modern Systematics: Groups, Ranks, and the Phylogenetic Turn." In *The Evolution of Phylogenetic Systematics*. A. Hamilton, ed. University of California Press.
21. 2013. Wheeler, Q. D. and *Hamilton, A.* "The New Systematics, The New Taxonomy, and the Future of Biodiversity Studies." In *The Evolution of Phylogenetic Systematics*. A. Hamilton, ed. University of California Press.
22. 2010. Haber, M. H., *Hamilton, A.*, Odenbaugh, J. O. and Okasha, S. "Philosophy of Biology." In *Philosophy of the Special Sciences*, F. Allhoff, ed. Oxford: Wiley-Blackwell, 185-212.
23. 2009. *Hamilton, A.*, Haber, M. H., and \*Smith, N. R. "Social Insects and the Individuality Thesis: Cohesion and the Colony as a Selectable Individual." In *Organization of Insect Societies: From Genome to Sociocomplexity*. J. Gadau and J. Fewell, eds. Harvard University Press, 572-589.
24. 2009. *Hamilton, A.* "Toward a Mechanistic Evo Devo." In *Form and Function in Evolutionary Development*, M. Laubichler and J. Maienschein, eds. Cambridge: Cambridge University Press, 213-224.
25. 2009. *Hamilton, A.* "Letter to Linnaeus." In *Letters to Linnaeus*, Q. D. Wheeler and S. Knapp, eds. London: The Linnean Society of London, 87-91.
26. 2007. Bechtel, W. and *Hamilton, A.* "Natural, Behavioral, Social Sciences and the Humanities: Reductionism and the Unity of the Sciences." In *General Philosophy of Science: Focal Issues*. Theo Kuipers, ed. North Holland Press, 377-430.
27. 2006. Cartwright, N., Alexandrova, A., Efstathiou, S., *Hamilton, A.*, and Muntean, I. "Philosophy of Science: Laws." In *Oxford Handbook of Contemporary Philosophy*, Frank Jackson and Michael Smith, eds. Oxford: Oxford University Press: 792-818.

#### ***Invited Articles [3]***

28. 2011. *Hamilton, A.* and \*Dimond, C. "Groups, Individuals, and Evolutionary Restraints: The Making of the Contemporary Debate Over Group Selection." *Biology and Philosophy*. 27: 299-312.
29. 2009. *Hamilton, A.* and Wheeler, Q. D. "Reply to Wilson et al." *Isis*. 100: 117-118.
30. 2005. Fagan, M., Forber, P., García Deister, V., Haber, M. H., *Hamilton, A.*, Yamashita, G. "Meeting Report: First ISHPSSB Off-Year Workshop." *Biology & Philosophy*, 20: 927-929.

#### ***Reviews [2]***

31. 2006. *Hamilton, A.* Review of Ernst Mayr's What Makes Biology Unique? *Philosophy of Science*, 73: 255-257.

32. 2002. *Hamilton, A.* "Wonderful Life: On Stephen Jay Gould and Ourselves." *History of Science Society Newsletter*, 31: 3, p. 4.

### **Reports [1]**

33. 2020. Kladec, A. Yoon, T., Aydin, N., Charlton, J., Dickson, K.L., *Hamilton, A*, Loft, B., Peetz, R., Raynor, S., and Teclezghi, B. *Transformation Advisory Group: Letters from the Field*. American Association of State Colleges and Universities.

### **7. Nominations and Awards**

- 2019. University of Houston Team Teaching Excellence Award, as team lead (\$30,000)
- 2018. New and Innovative Program Award, UH chapter of Phi Beta Delta (team award for Galápagos study abroad)
- 2017. Elected by Peers to Membership in the UH Chapter of Phi Kappa Phi
- 2016. UH System Regents' Award for Academic Excellence (for the Bonner Program)
- 2013. Member, EduCause/Next Generation Learning Challenges Inaugural Breakthrough Models Academy
- 2012. Nominee, Centennial Professorship, Arizona State
- 2011. Finalist, Provost's Faculty Achievement Award for Excellence in Undergraduate Instruction, Arizona State
- 2010. Nominee, College of Liberal Arts and Sciences Teaching Award at Arizona State
- 2010. Nominee, Centennial Professorship, Arizona State
- 2009. Nominee, College of Liberal Arts and Sciences Teaching Award, Arizona State